



ST. LOUIS DISTRICT MOBILITY

QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER/OCTOBER/NOVEMBER 2021 | EDITION NO. 17

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Keep Customers and Ourselves Safe



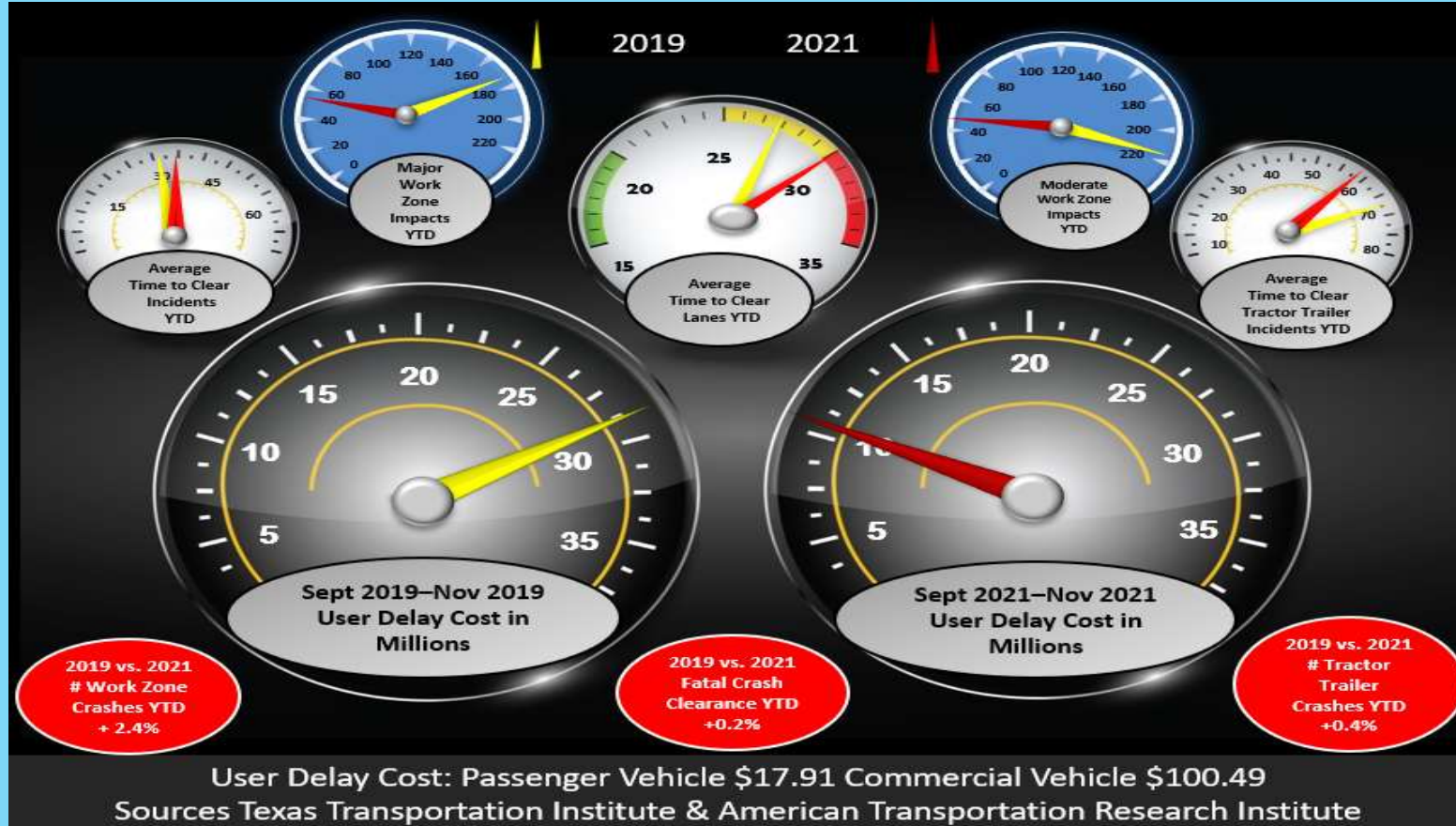
User Delay Cost: Passenger Vehicle \$17.91 Commercial Vehicle \$100.49
Sources Texas Transportation Institute & American Transportation Research Institute

September thru November 2020 Grand Total and Average

Delay Cost:
Total \$8,032,747
Hours of delay
Person-hours: 325,855h 56m
Vehicle hours: 266,004h 51m

September thru November 2021 Grand Total and Average

Delay Cost:
Total \$10,927,473
Hours of delay
Person-hours: 443,283h 12m
Vehicle hours: 361,863h 50m



September thru November 2019 Grand Total and Average

Delay Cost (Based on 2021-dollar value):

Total \$28,371,184

Hours of delay

Person-hours: 1,150,903h 39m

Vehicle hours: 939,513h 11m

September thru November 2021 Grand Total and Average

Delay Cost:

Total \$10,927,473

Hours of delay

Person-hours: 443,283h 12m

Vehicle hours: 361,863h 50m



EXECUTIVE SUMMARY

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Fatal Crash Clearance times increased by 20.1% YTD in 2021 compared to 2020

The number of tractor trailer crashes increased by 15.7% YTD in 2021 compared to 2020

Work zone crashes decreased by 8.9% YTD in 2021 compared to 2020

Overall AM and PM Regional Mobility for the quarter declined compared to the same quarter 2020

I-64 E @ I-55/I-44/US-40 was the top congested segment this quarter with I-270 E @ I-170/EXIT 26 the second congested segment.

ZONING IN

TMS Work Zones:

September 2021: 313

October 2021: 294

November 2021: 237

Work Zone Impact Breakdown:

■	Major:	25 – (9%)
■	Moderate:	17 – (-50%)
■	Minor:	802 – (38%)

WORK ZONE CRASHES: 87

Planned Event

Date: Entire Quarter

Location: I-70 @ David Hoekel Parkway

Event Detail: Bridges of Interstate 70 and Norfolk Southern Railroad as well as interchange ramps

Unplanned Event

Date: 09-10-2021

Location: Jefferson County, I-55 NB at US 67

Event Detail: Single vehicle incident involving an overturned tractor trailer carrying a hazardous material. Approximate lane closure time was 9 hours, 32 minutes.



EXECUTIVE SUMMARY

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Top 5 Congestion Locations / September - November 2020 vs. September - November 2021

*Locations ranked on Weighted Total Impact (Raw speed drop weighted by Vehicle Miles Traveled VMT Factor)

	Congestion Locations 2020	*Weighted Total Impact	Average Queue Length Miles	Average Daily Duration	Total Duration
1	I-270 W @ ELIZABETH/WASHINGTON ST/EXIT 28 (WZ)	59,285,864	1.73	2 h 49 m	10 d 17 h 29 m
2	I-70 W @ EARTH CITY EXPY/EXIT 231	30,288,034	1.25	1 h 47 m	6 d 19 h 30 m
3	I-44 E @ MO-100/EXIT 251	21,183,957	4.78	22 m	1 d 9 h 28 m
4	I-44 W @ SERVICE RD/OLD HWY 66/EXIT 242	19,545,511	5.4	23 m	1 d 12 h 18 m
5	I-270 E @ ELIZABETH/WASHINGTON ST/EXIT 28 (WZ)	19,543,729	1.52	1 h 4 m	4 d 1 h 9 m

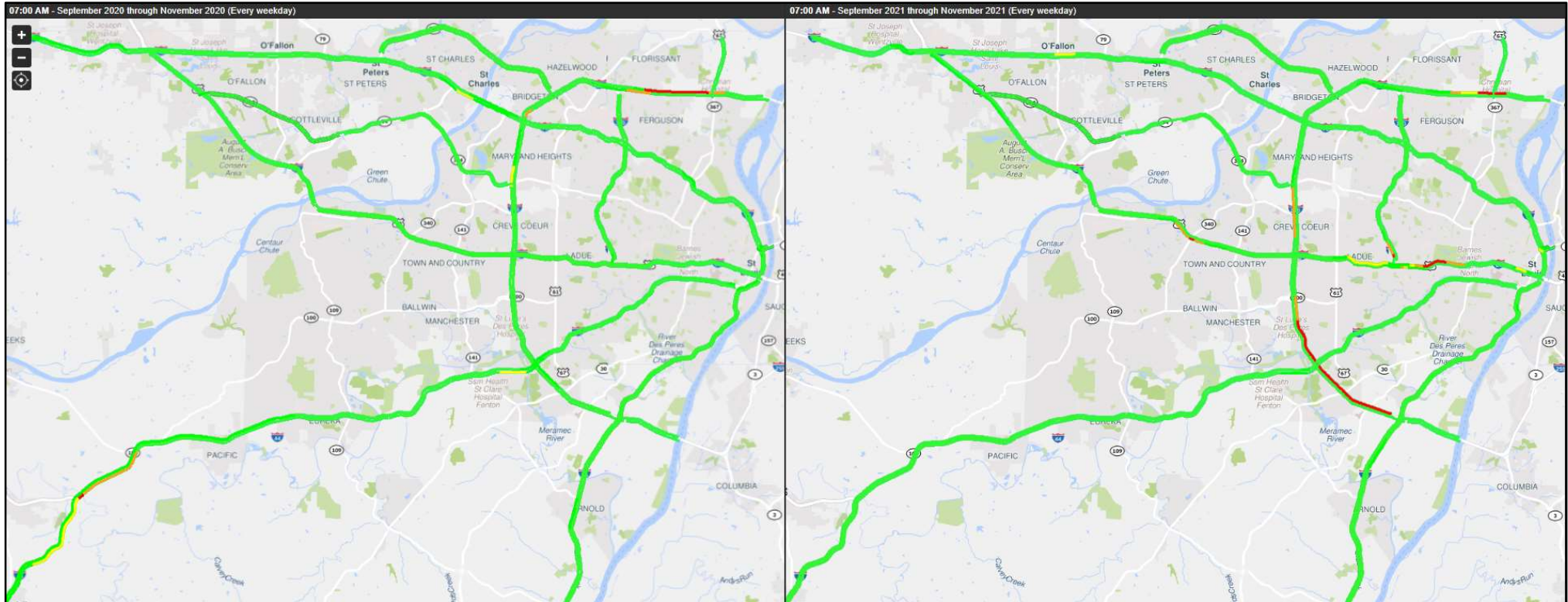
	Congestion Locations 2021	*Weighted Total Impact	Average Queue Length Miles	Average Daily Duration	Total Duration
1	I-64 E @ I-55/I-44/US-40	46,407,682	1.00	1 h 27 m	5 d 13 h
2	I-270 E @ I-170/EXIT 26 (WZ)	34,688,194	3.10	17 m	1 d 2 h 53 m
3	I-64 W @ I-70	27,280,044	5.29	1 h 13 m	4 d 15 h 23 m
4	I-64 W @ CLAYTON RD/OAKLAND AVE/EXIT 34	21,246,859	1.99	1 h 11 m	4 d 11 h 44 m
5	I-70 E @ JENNINGS STA RD/EXIT 242	20,079,018	2.52	13 m	20 h

Average Incident Duration Comparison / 2020 vs. 2021

Month	Average Incident Duration (Minutes: Seconds)	2020	2021
September	Lane Clearance	32:28	35:17
September	Incident Clearance	33:03	35:51
October	Lane Clearance	33:33	37:04
October	Incident Clearance	34:10	36:49
November	Lane Clearance	30:48	33:08
November	Incident Clearance	31:23	32:56

DECREASE in Overall AM Mobility

AM Peak Mobility September/October/November 2020 vs September/October/November 2021 *



2020

Regional % of free-flow speed hourly breakdown**:

	2020		2021
6 AM	99.4%	→	99.8%
7 AM	99.1%	→	98.1%
8 AM	99.2%	→	97.9%
9 AM	99.4%	→	99.5%

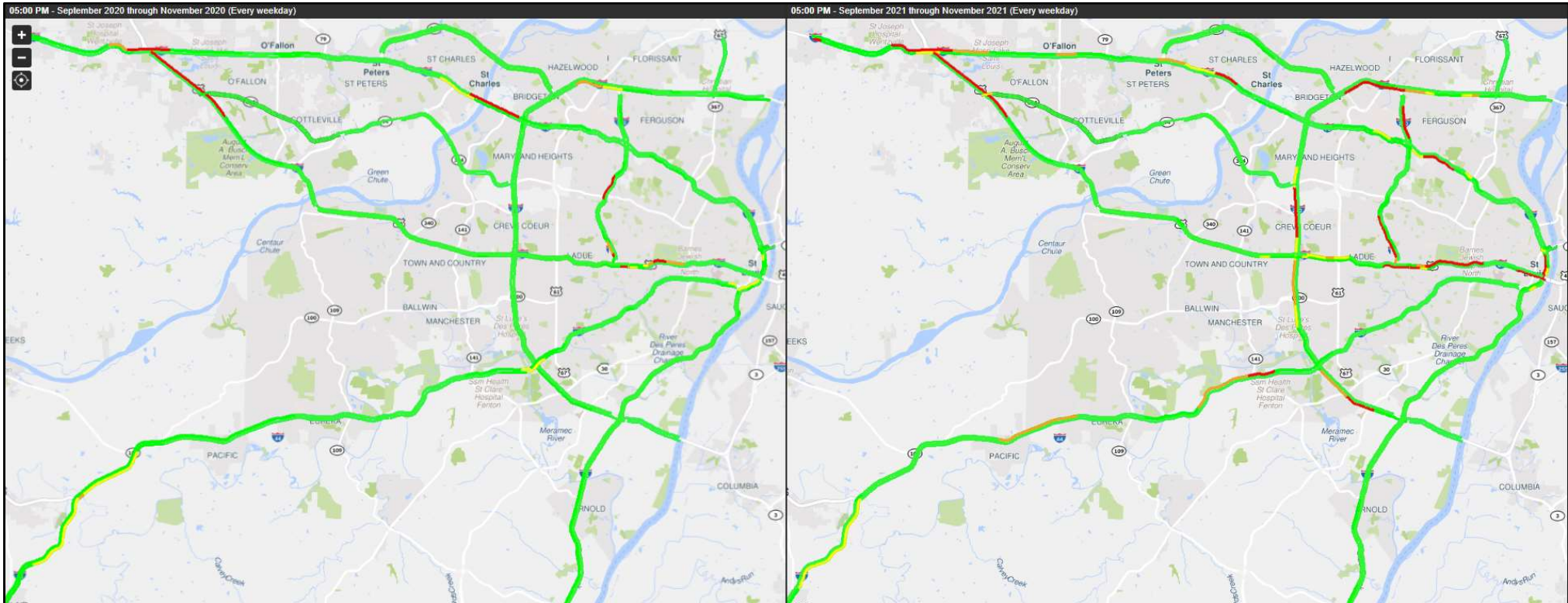
2021

* 7am hour shown

**Regional % of free-flow speed is the averaged % of free-flow speeds for all directions of all freeways within the St. Louis District. This provides a high-level measurement of overall regional mobility for each peak hour.

DECREASE in Overall PM Mobility

PM Peak Mobility September/October/November 2020 vs September/October/November 2021 *



2020

Regional % of free-flow speed hourly breakdown**:

	2020		2021
3 PM	98.2%	→	96.9%
4 PM	97.2%	→	94.8%
5 PM	97.9%	→	94.8%
6 PM	99.0%	→	98.6%
7 PM	98.9%	→	99.5%

2021

* 5pm hour shown

**Regional % of free-flow speed is the averaged % of free-flow speeds for all directions of all freeways within the St. Louis District. This provides a high-level measurement of overall regional mobility for each peak hour.

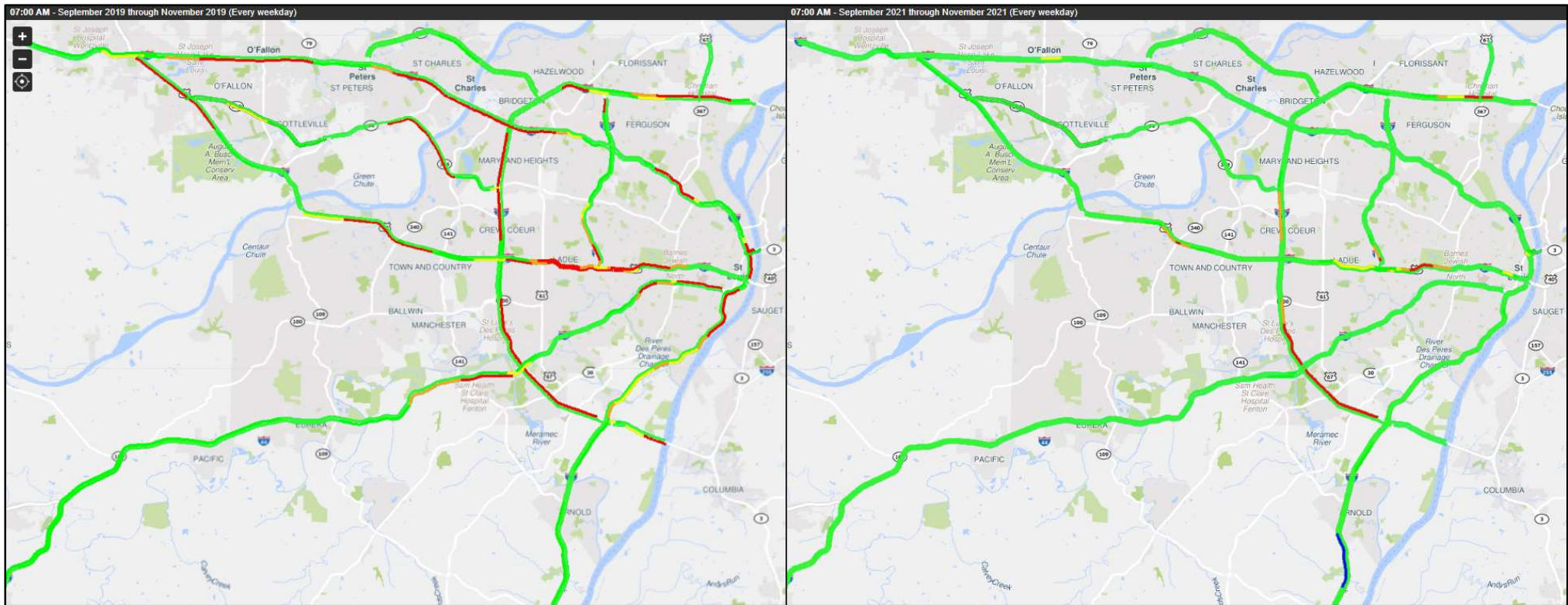


FREEWAY MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER/OCTOBER/NOVEMBER 2021

AM Congestion 2019 VS 2021

AM Congestion Trend September/October/November 2019 vs September/October/November 2021 *



2019

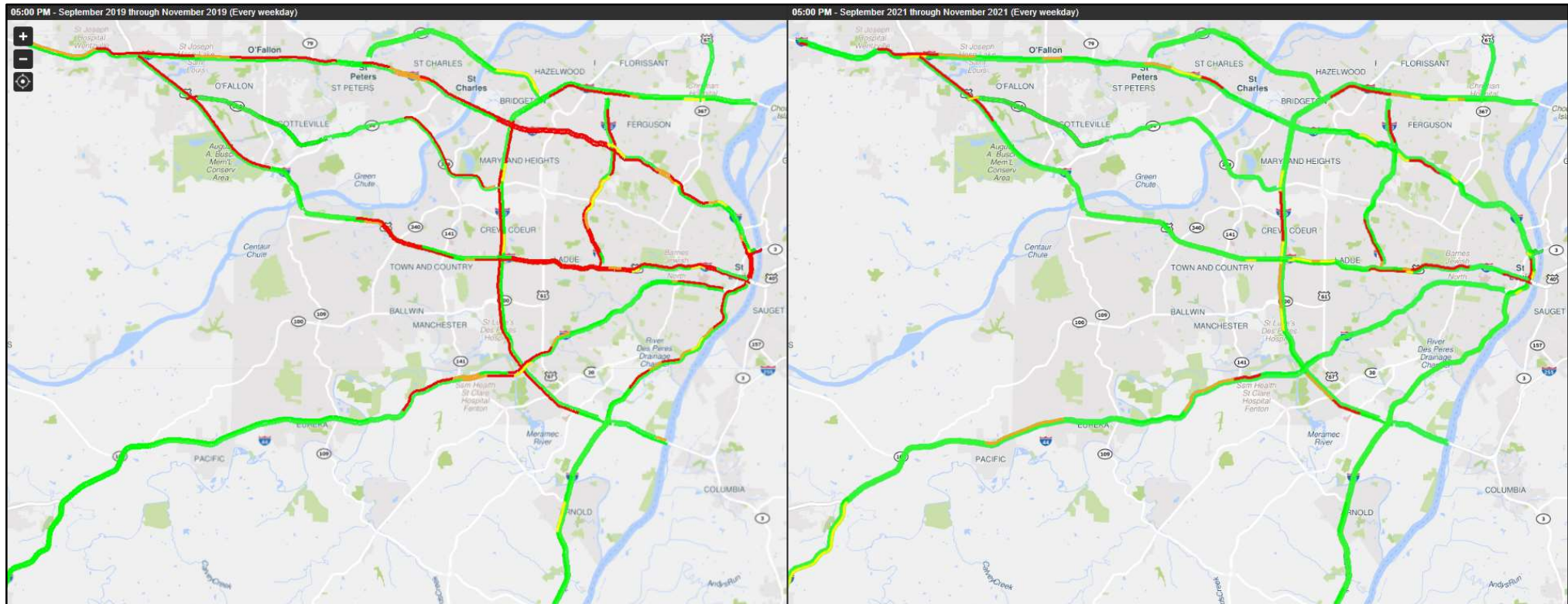
* 7am hour shown

2021

- > 90 % of free-flow speed
- 85% - 90 % of free-flow speed
- 80 % - 85 % of free-flow speed
- < 80 % of free-flow speed

PM Congestion 2019 VS 2021

PM Congestion Trend September/October/November 2019 vs September/October/November 2021 *



2019

* 5pm hour shown

2021

- > 90 % of free-flow speed
- 85% - 90 % of free-flow speed
- 80 % - 85 % of free-flow speed
- < 80 % of free-flow speed

Top 5 Congestion Locations Comparison

Comparing Top 5 Congestion Locations of September/October/November 2020 to September/October/November 2021

- 1 I-270 W @ ELIZABETH/WASHINGTON ST
Mobility INCREASED from 2020 → 2021
- 2 I-70 W @ EARTH CITY EXPY/EXIT 231
Mobility INCREASED from 2020 → 2021
- 3 I-44 E @ MO-100/EXIT 251
Mobility INCREASED from 2020 → 2021
- 4 I-44 W @ SERVICE RD/OLD HWY 66
Mobility INCREASED from 2020 → 2021
- 5 I-270 E @ ELIZABETH/WASHINGTON ST
Mobility INCREASED from 2020 → 2021



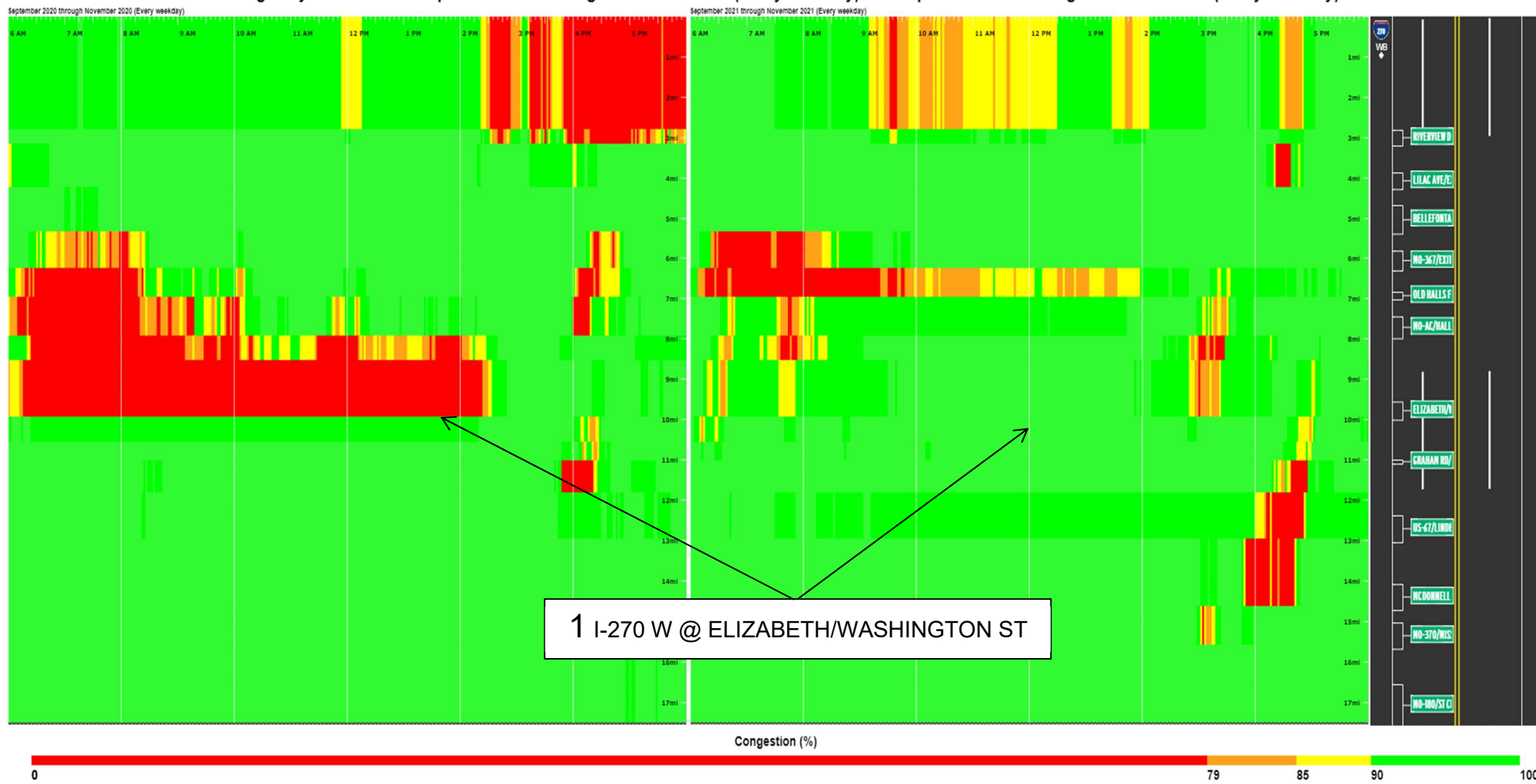
FREEWAY MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER/OCTOBER/NOVEMBER 2021

2020/2021 I-270 WB

Congestion for I-270 Westbound between MO-180/St Charles Rock/Exit 20 and Riverview Dr/Exit 34 using HERE data

Averaged by 2 minutes for September 2020 through November 2020 (Every weekday) and September 2021 through November 2021 (Every weekday)



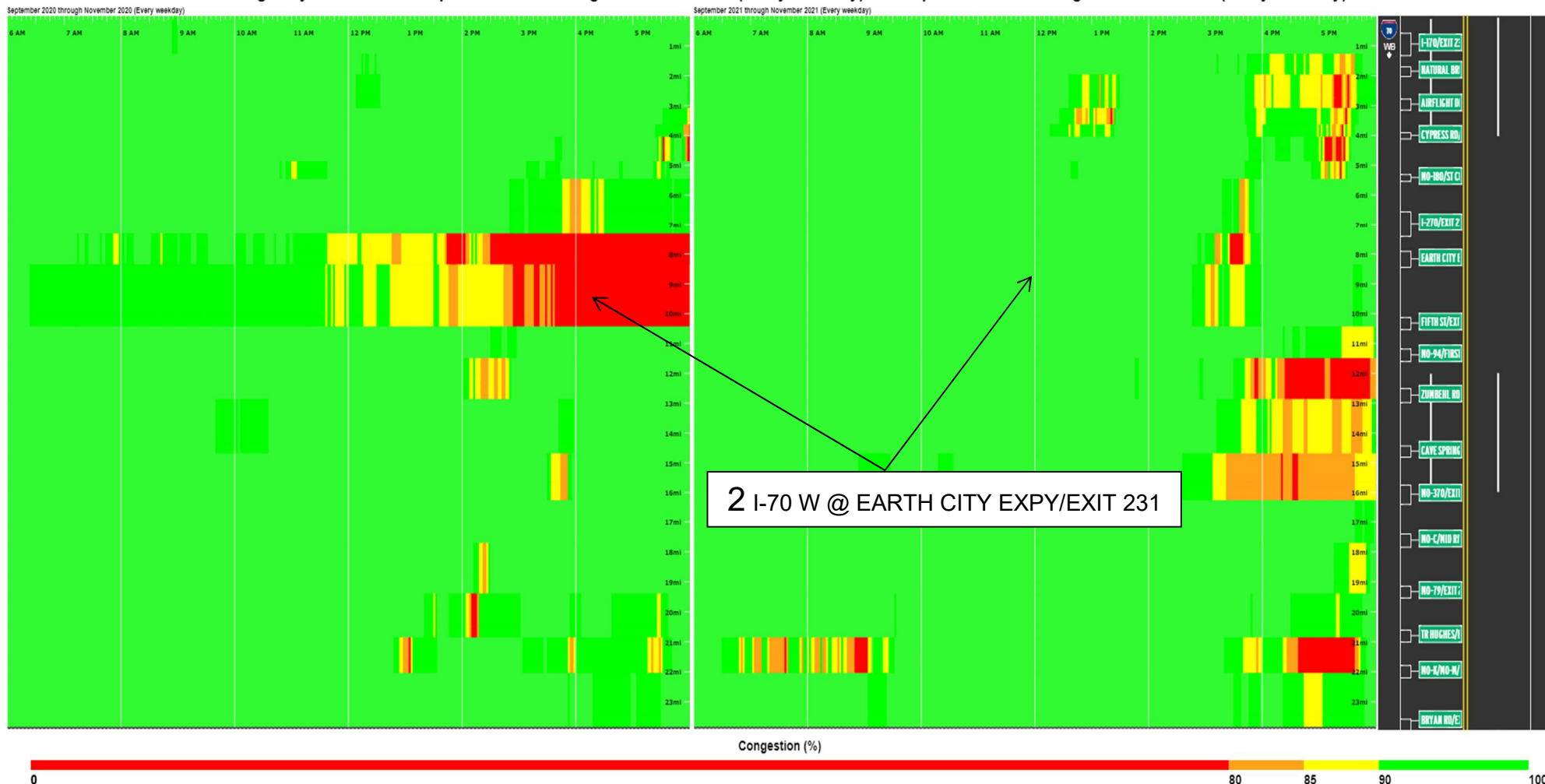


FREEWAY MANAGEMENT

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2020/2021 I-70 WB

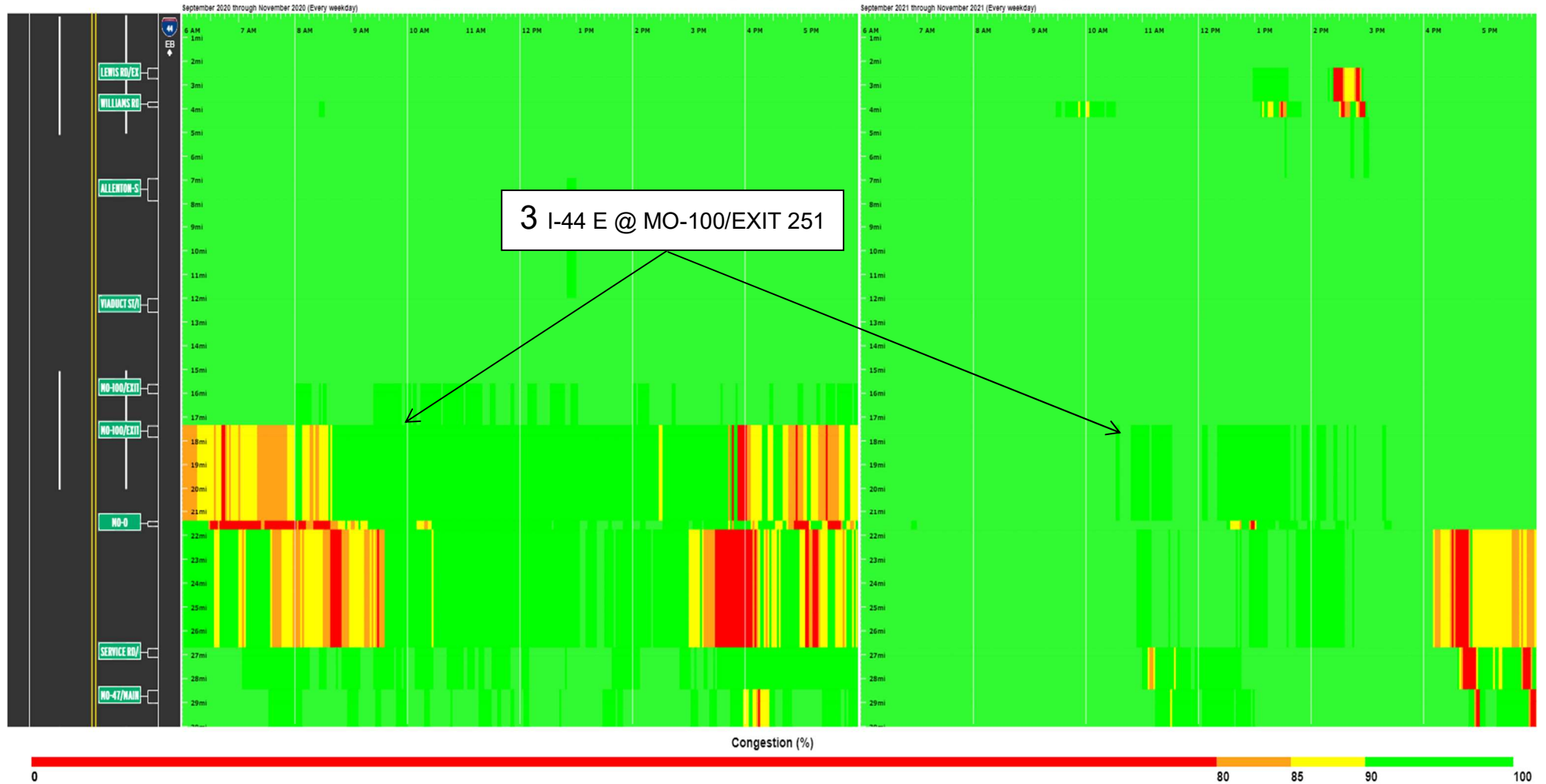
Congestion for I-70 Westbound between Bryan Rd/Exit 216 and I-170/Exit 238 using HERE data
Averaged by 2 minutes for September 2020 through November 2020 (Every weekday) and September 2021 through November 2021 (Every weekday)



2020/2021 I-44 EB

Congestion for I-44 Eastbound between MO-47/Main St/Exit 240 and Antire Rd/Exit 269 using HERE data

Averaged by 2 minutes for September 2020 through November 2020 (Every weekday) and September 2021 through November 2021 (Every weekday)





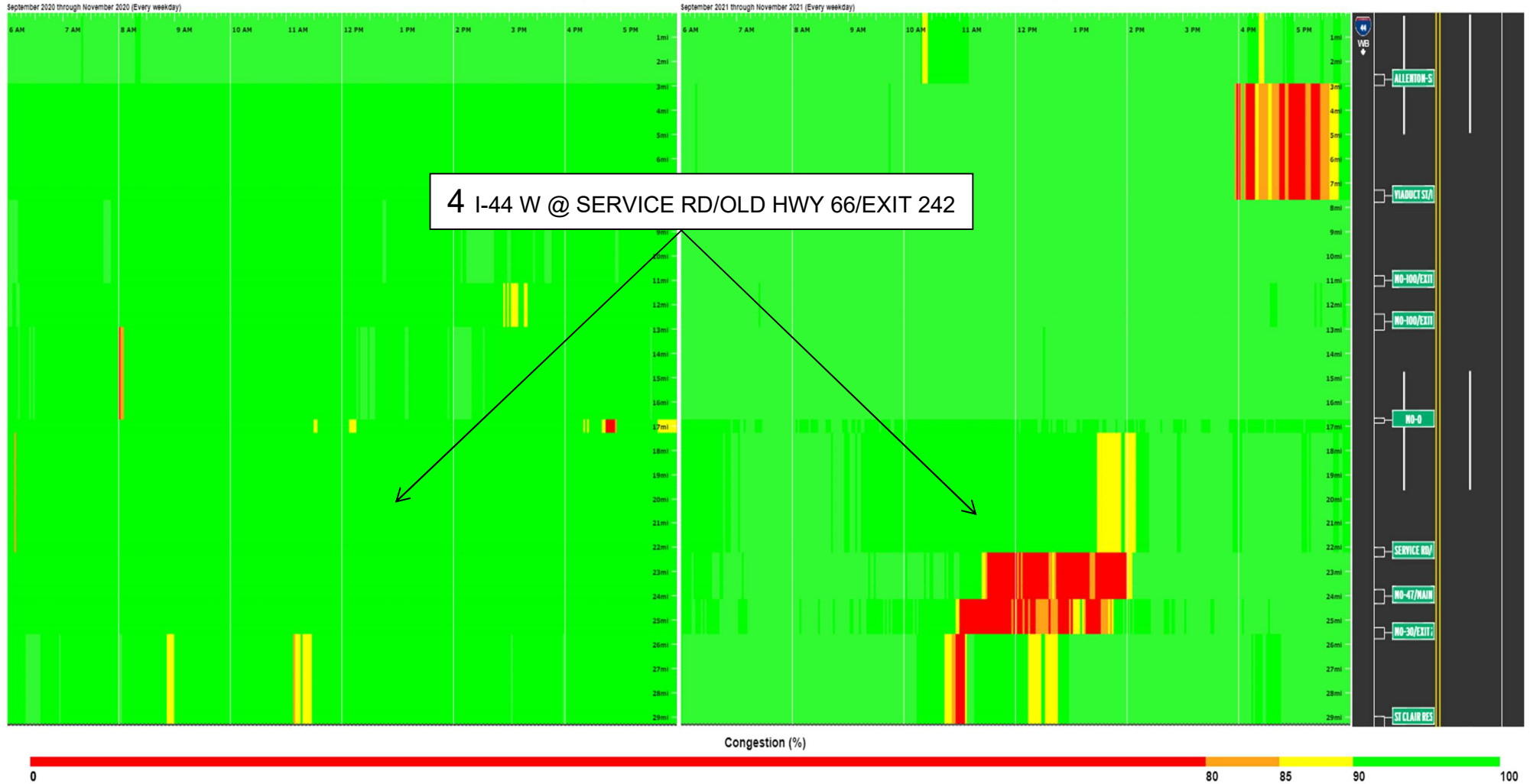
FREEWAY MANAGEMENT

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2020/2021 I-44 WB

Congestion for I-44 Westbound between St Clair Rest Area and ALLENTON-SIX FLAGS RD/Exit 261 using HERE data

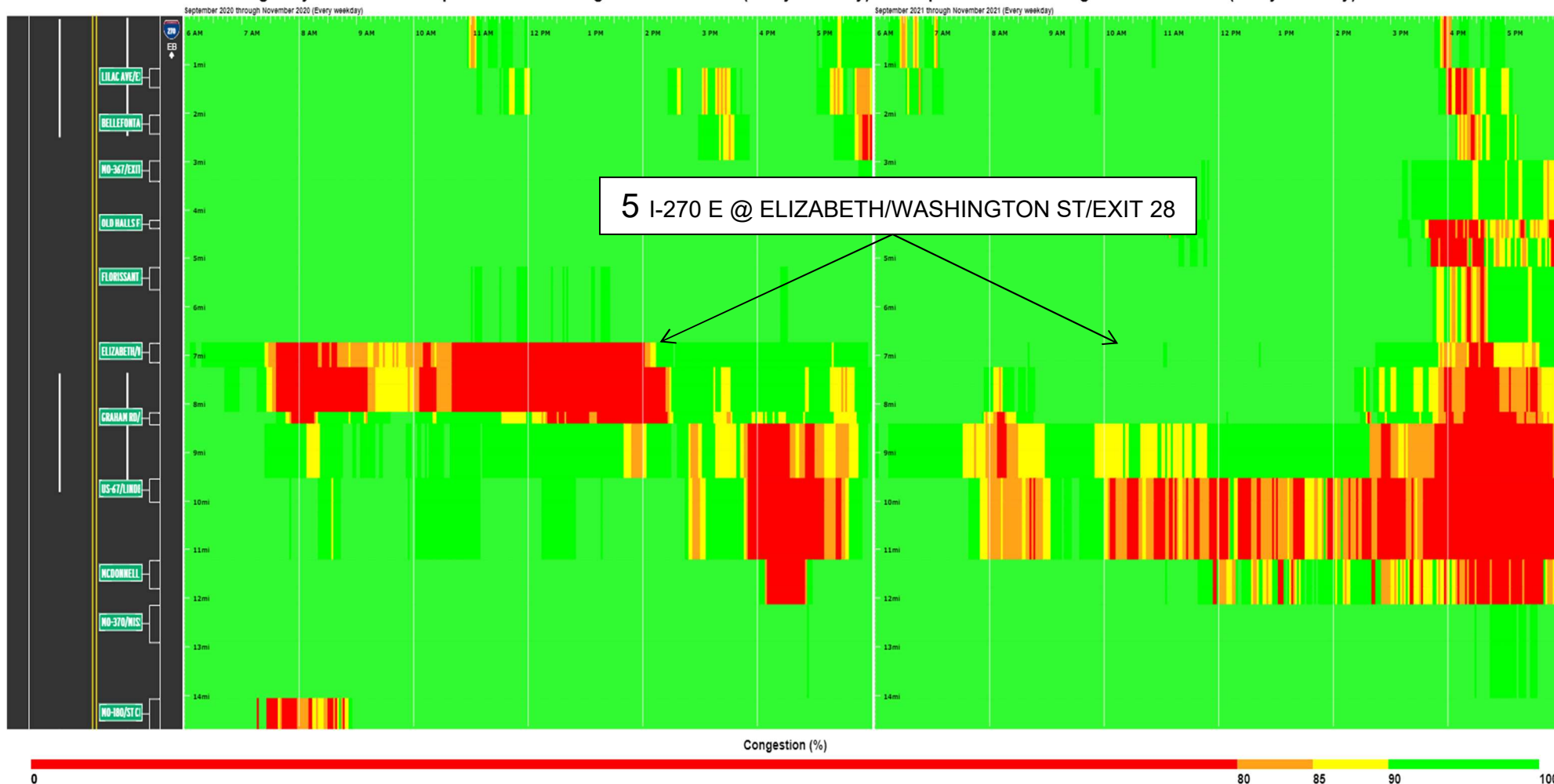
Averaged by 2 minutes for September 2020 through November 2020 (Every weekday) and September 2021 through November 2021 (Every weekday)



2020/2021 I-270 EB

Congestion for I-270 Eastbound between MO-180/St Charles Rock/Exit 20 and Riverview Dr/Exit 34 using HERE data

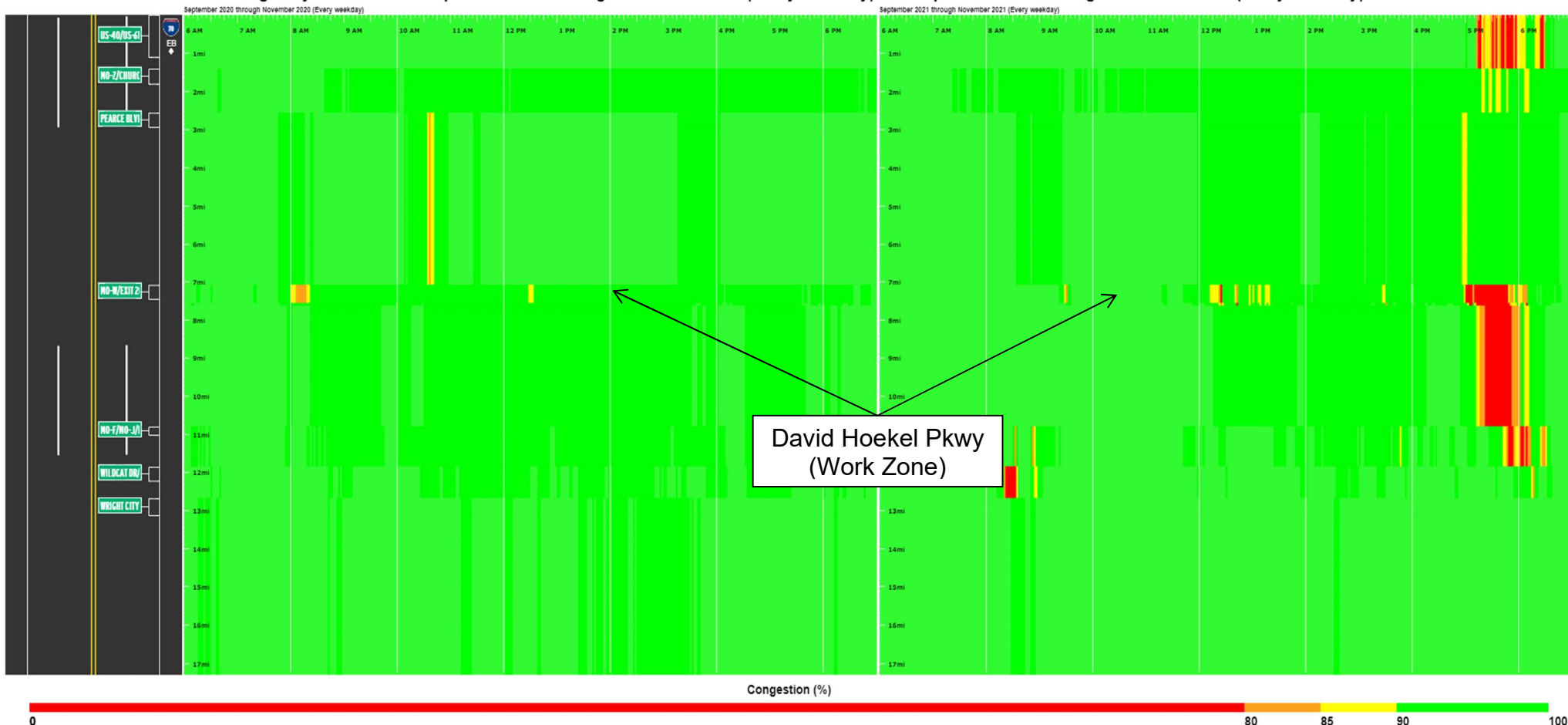
Averaged by 2 minutes for September 2020 through November 2020 (Every weekday) and September 2021 through November 2021 (Every weekday)



Analysis of I-70 Eastbound at David Hoekel Parkway Interchange

2020/2021 I-70 EB

Congestion for I-70 Eastbound between Wright City Rest Area and US-40/US-61/Exit 210 using HERE data
 Averaged by 2 minutes for September 2020 through November 2020 (Every weekday) and September 2021 through November 2021 (Every weekday)





FREEWAY MANAGEMENT

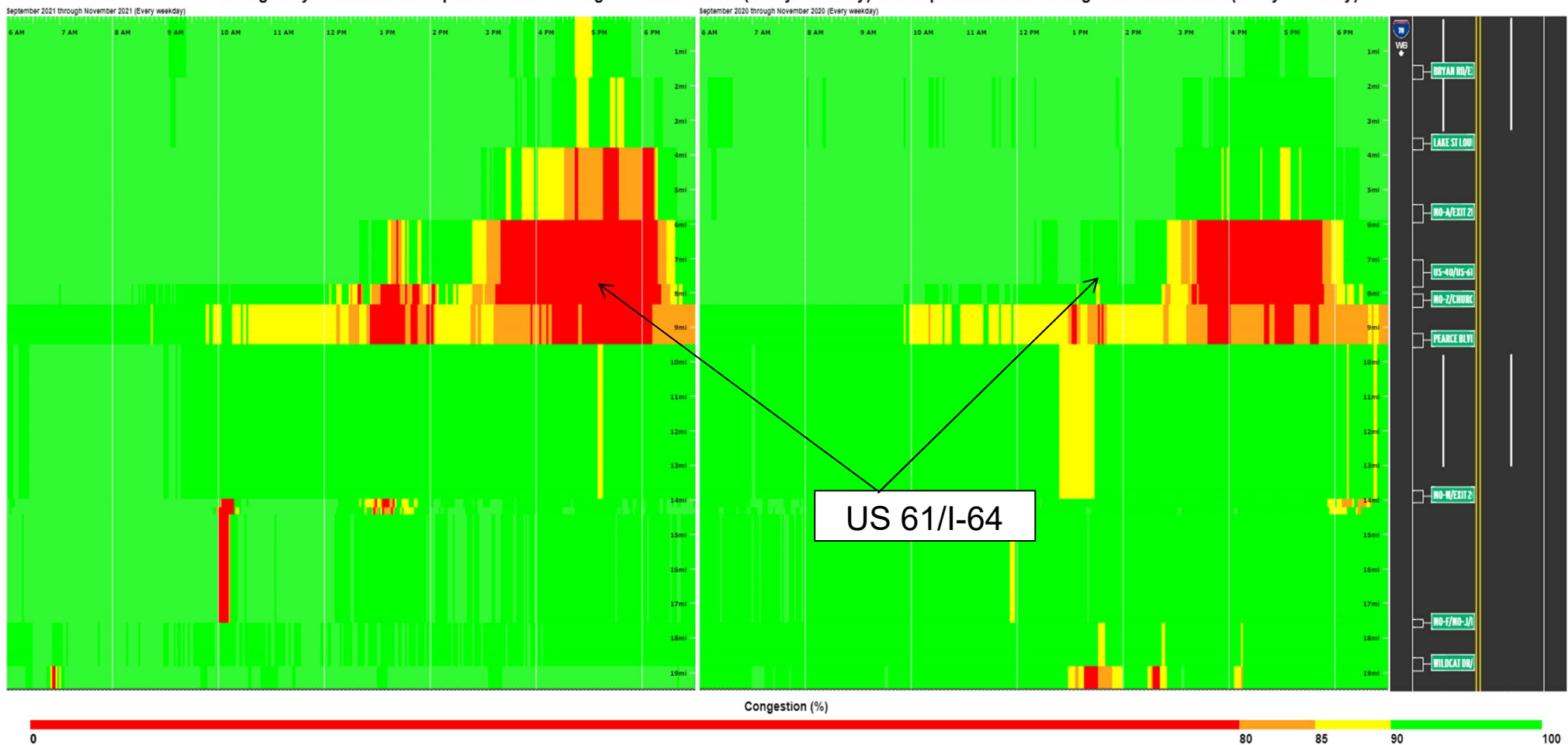
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Analysis of I-70 Westbound at I-64

2020/2021 I-70 WB

Congestion for I-70 Westbound between Wright City Rest Area and Bryan Rd/Exit 216 using HERE data

Averaged by 2 minutes for September 2020 through November 2020 (Every weekday) and September 2021 through November 2021 (Every weekday)





WORKZONE MANAGEMENT

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TMC Work Zones

	September 2021	October 2021	November 2021
Level of Travel Time Impact	Number of Work Zones	Number of Work Zones	Number of Work Zones
Major Impact	10	6	9
Moderate Impact	7	4	6
Minor Impact	296	284	222
Total	313	294	237



Additional Travel Time Impacts through Work Zones

Major Impact (15 Minutes or Above): #

Moderate Impact (10-14 Minutes): #

(Daily) Westbound I-270 Design Build

- Roadway Rehab Construction
- All mitigation efforts were in use
- RITIS data recorded additional travel times up to 51minutes

13

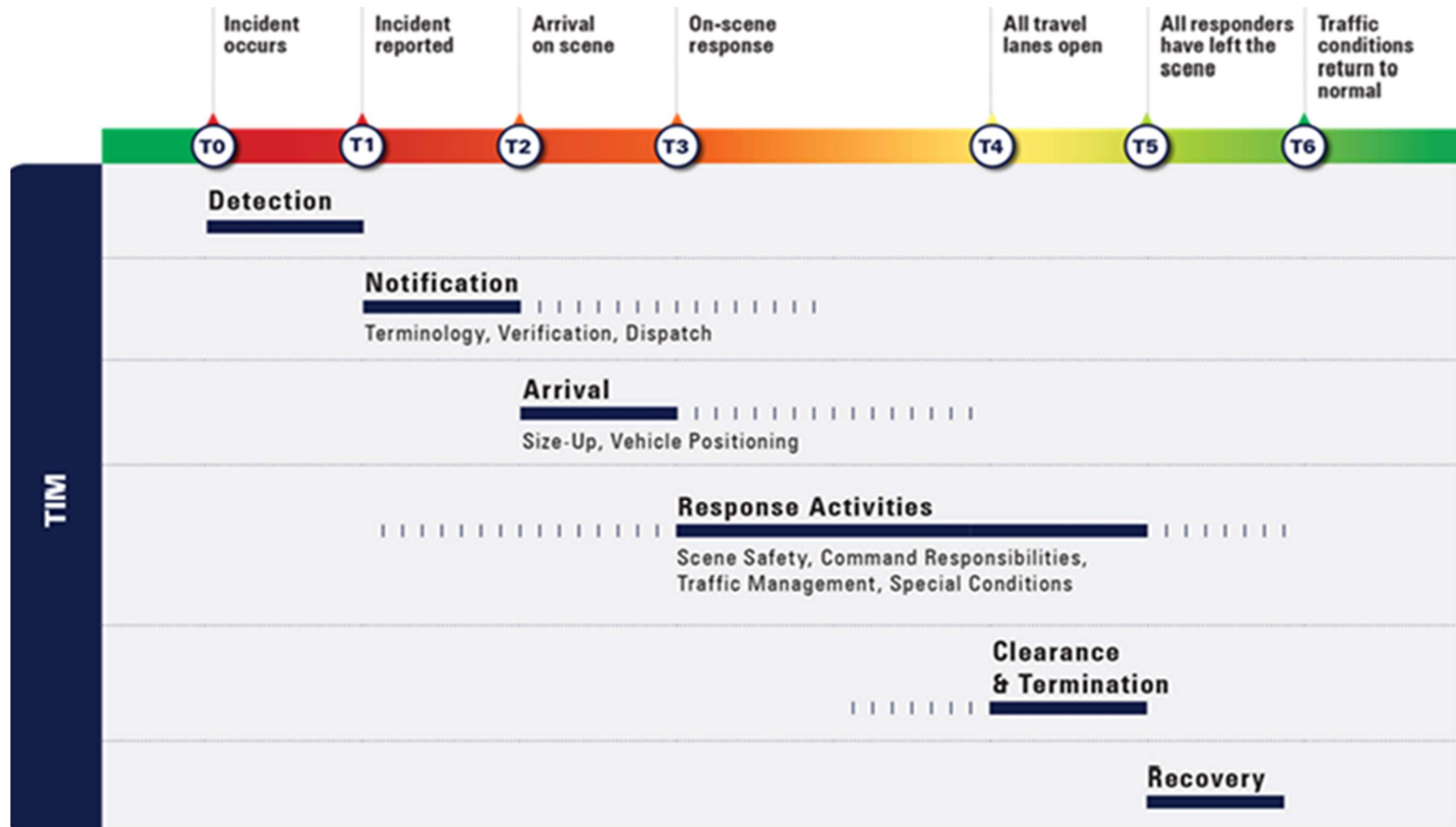
6

(Daily) Eastbound I-270 Design Build

- Roadway Rehab Construction
- All mitigation efforts were in use
- RITIS data recorded additional travel times up to 27 minutes

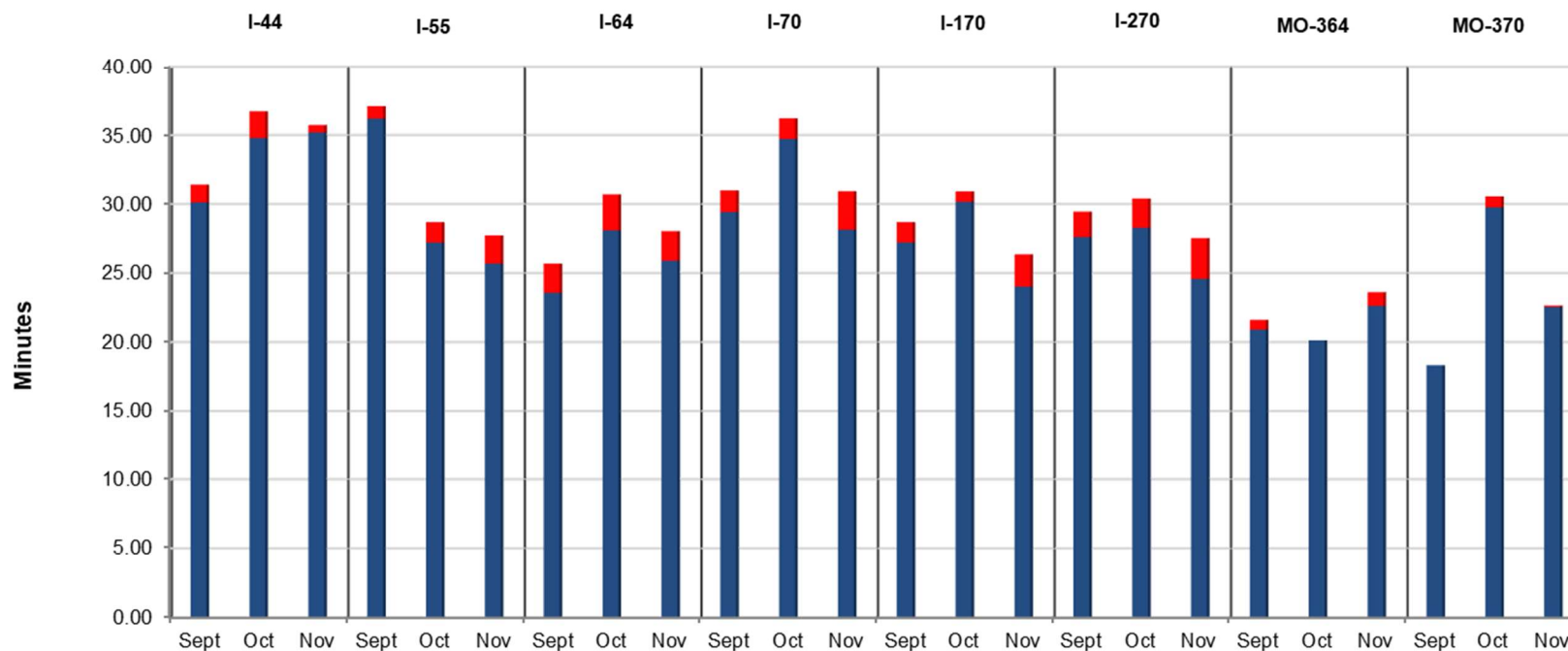
12

11





Sept/Oct/Nov 2021
Incidents Summary

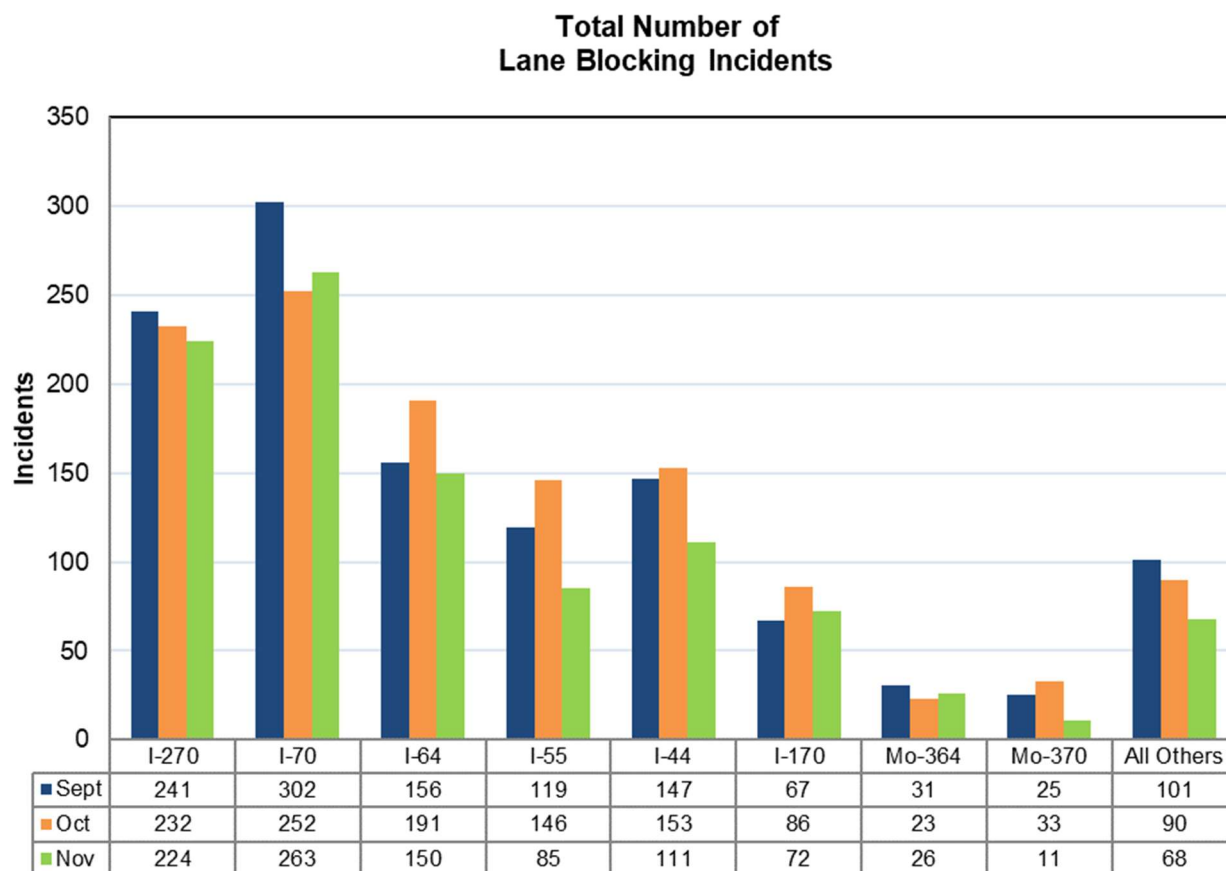


■ Average Time for Backup to Clear = T6 - T4

■ Average Time to Clear Incident from Lanes = T4 - T1



Total Number of Lane Blocking Incidents: Sept: 1204 / Oct: 1242 / Nov: 1058



Major Impact Incidents

Sept	Oct	Nov
(14)	(15)	(6)

Fatal Incidents

Sept	Oct	Nov
(13)	(7)	(6)

Tractor Trailer Incidents

Sept	Oct	Nov
(28)	(36)	(24)



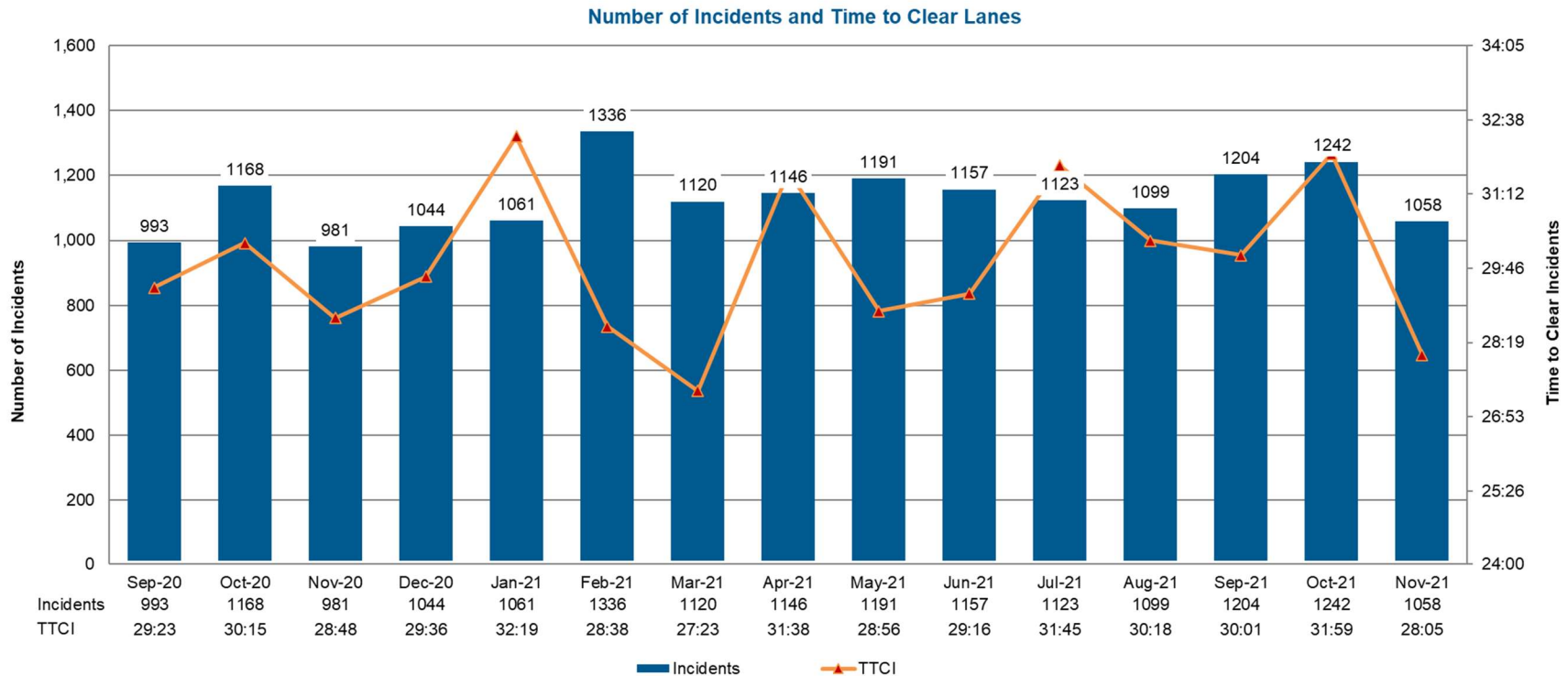
INCIDENT MANAGEMENT

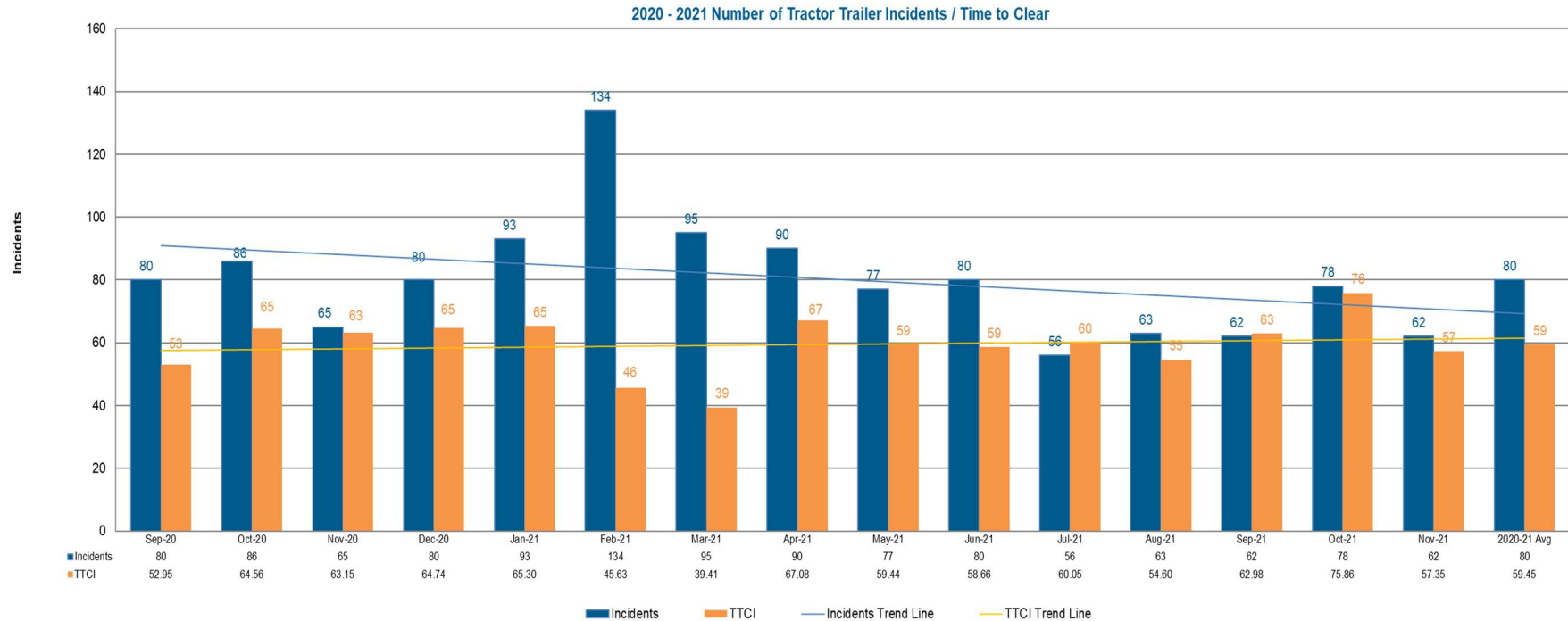
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Lane Blocking Incidents by Freeway September/October/November 2021

Interstate	Month	Number of Incidents	Average Time to Clear Incident from Lanes =T4 - T1	Average Time for Backup to Clear = T6 -T4	Freeway Miles	Incidents per Mile
I-44	Sept	147	30:07	01:18	33	4.45
I-44	Oct	153	34:46	01:57	33	4.64
I-44	Nov	111	35:11	00:33	33	3.36
I-55	Sept	119	36:11	00:55	23	5.17
I-55	Oct	146	27:13	01:29	23	6.35
I-55	Nov	85	25:41	02:03	23	3.70
I-64	Sept	156	23:34	02:07	40	3.90
I-64	Oct	191	28:05	02:37	40	4.78
I-64	Nov	150	25:53	02:09	40	3.75
I-70	Sept	302	29:25	01:34	38	7.95
I-70	Oct	252	34:43	01:30	38	6.63
I-70	Nov	263	28:08	02:47	38	6.92
I-170	Sept	67	27:13	01:29	11	6.09
I-170	Oct	86	30:10	00:46	11	7.82
I-170	Nov	72	24:01	02:21	11	6.55
I-270	Sept	241	27:36	01:51	36	6.69
I-270	Oct	232	28:17	02:07	36	6.44
I-270	Nov	224	24:35	02:57	36	6.22
MO-364	Sept	31	20:54	00:43	11	2.82
MO-364	Oct	23	20:08	00:00	11	2.09
MO-364	Nov	26	22:37	01:00	11	2.36
MO-370	Sept	25	18:19	00:00	13	1.92
MO-370	Oct	33	0:29:46	00:47	13	2.54
MO-370	Nov	11	22:33	00:05	13	0.85
Total	Sept/Oct/Nov	3146	27:18	01:28	615	5.12





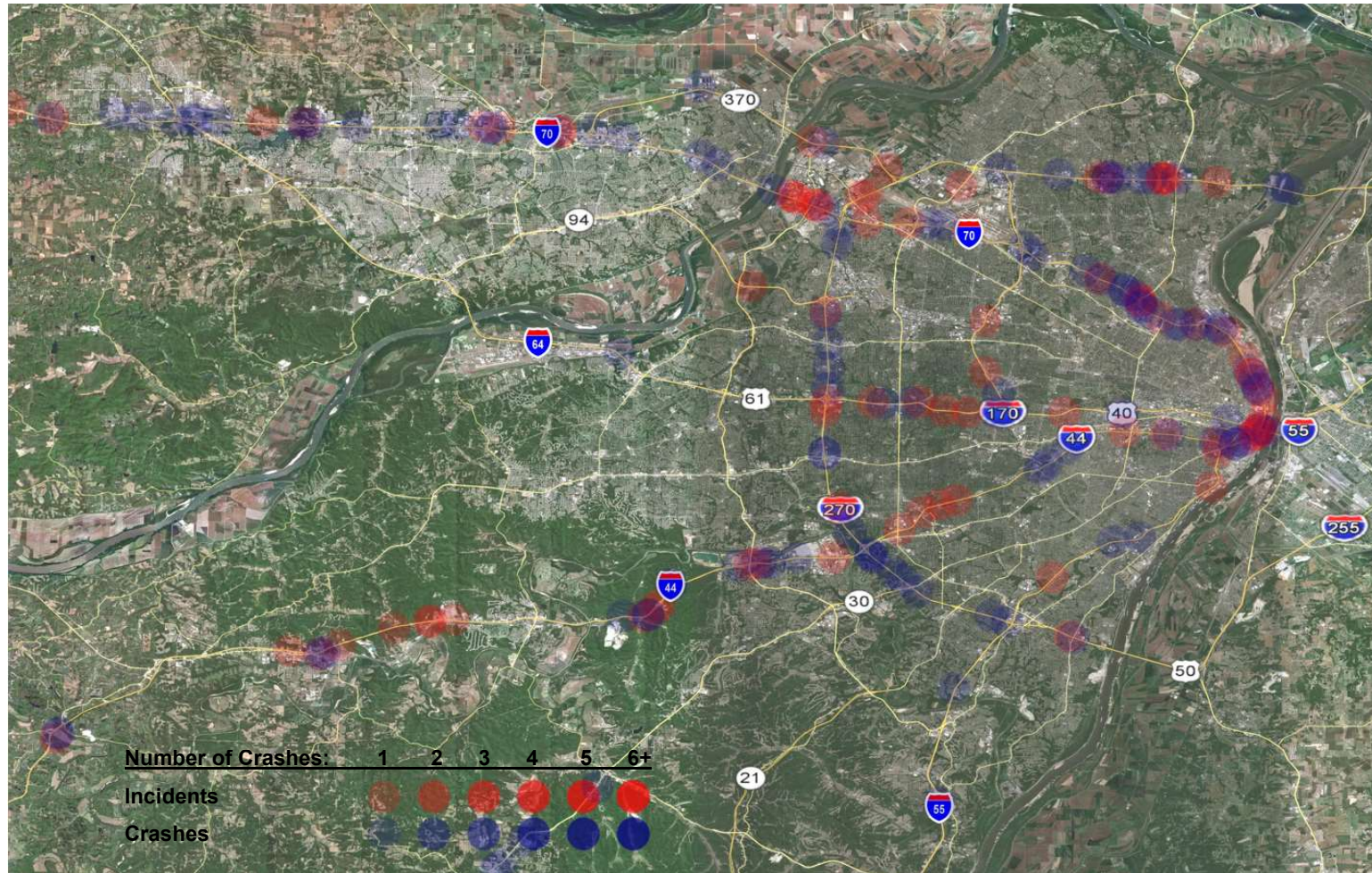


2021 Tractor Trailer Incidents by Route

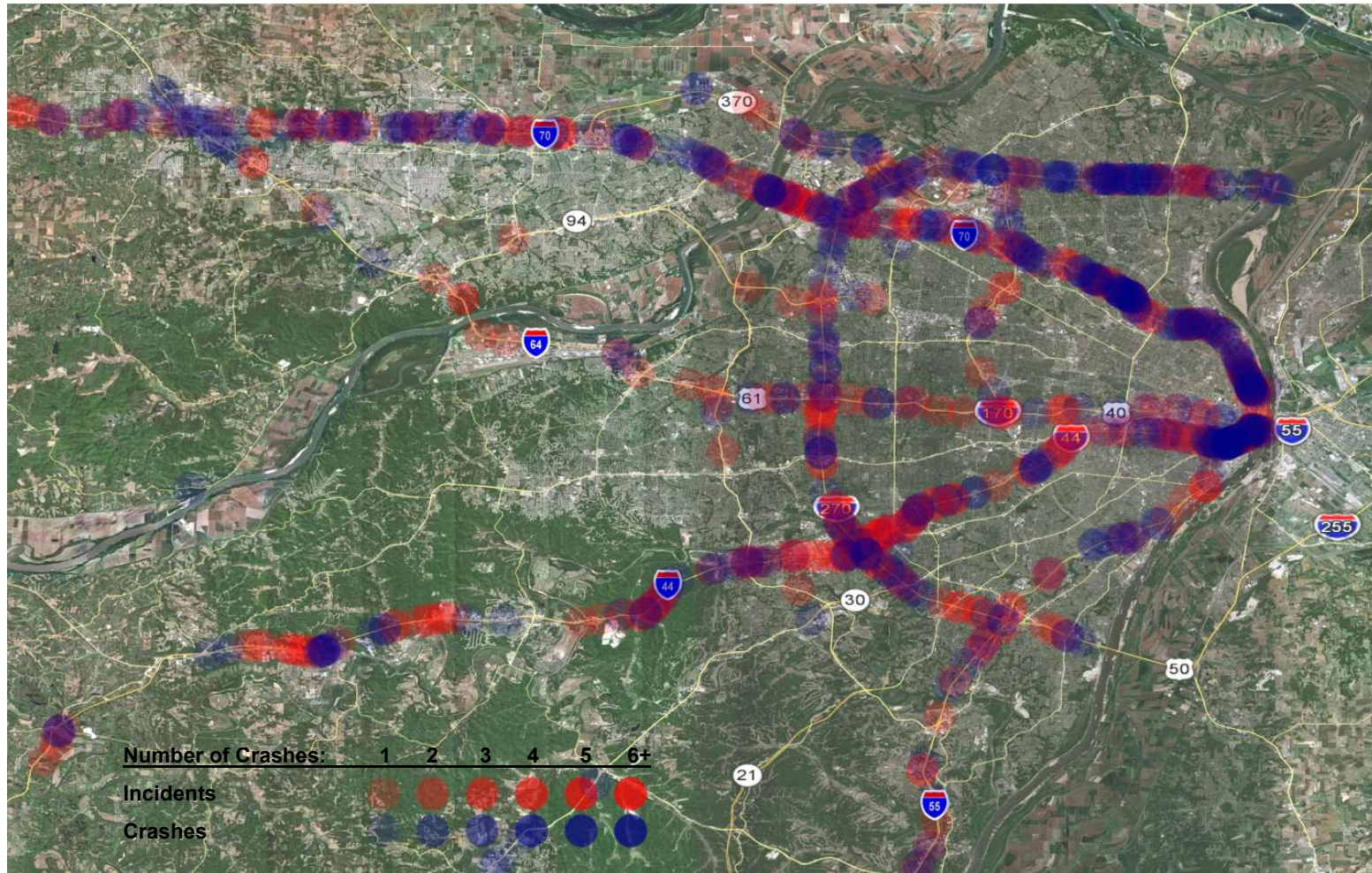
2021	I-44	I-55	I-64	I-70	I-170	I-255/I-270	Route 364	Route 370	Other	Total
Jan	24	6	4	36	4	13	0	3	3	93
Feb	20	11	17	43	4	28	1	5	4	133
Mar	24	7	8	32	0	16	1	0	6	94
Apr	21	6	10	35	1	11	0	0	4	88
May	28	3	3	21	0	19	0	3	0	77
Jun	22	11	5	20	1	17	0	0	3	79
Jul	15	5	5	19	0	9	0	2	1	56
Aug	20	3	6	21	2	9	0	1	0	62
Sep	20	5	2	22	1	8	1	1	2	62
Oct	15	8	12	23	1	14	0	2	2	77
Nov	16	2	0	22	1	19	0	1	1	62
Dec										0
Yearly Total	225	67	72	294	15	163	3	18	26	883



September/October/November 2021 Tractor Trailer Incidents



January 2021 – November 2021 Tractor Trailer Incidents Map





INCIDENT MANAGEMENT

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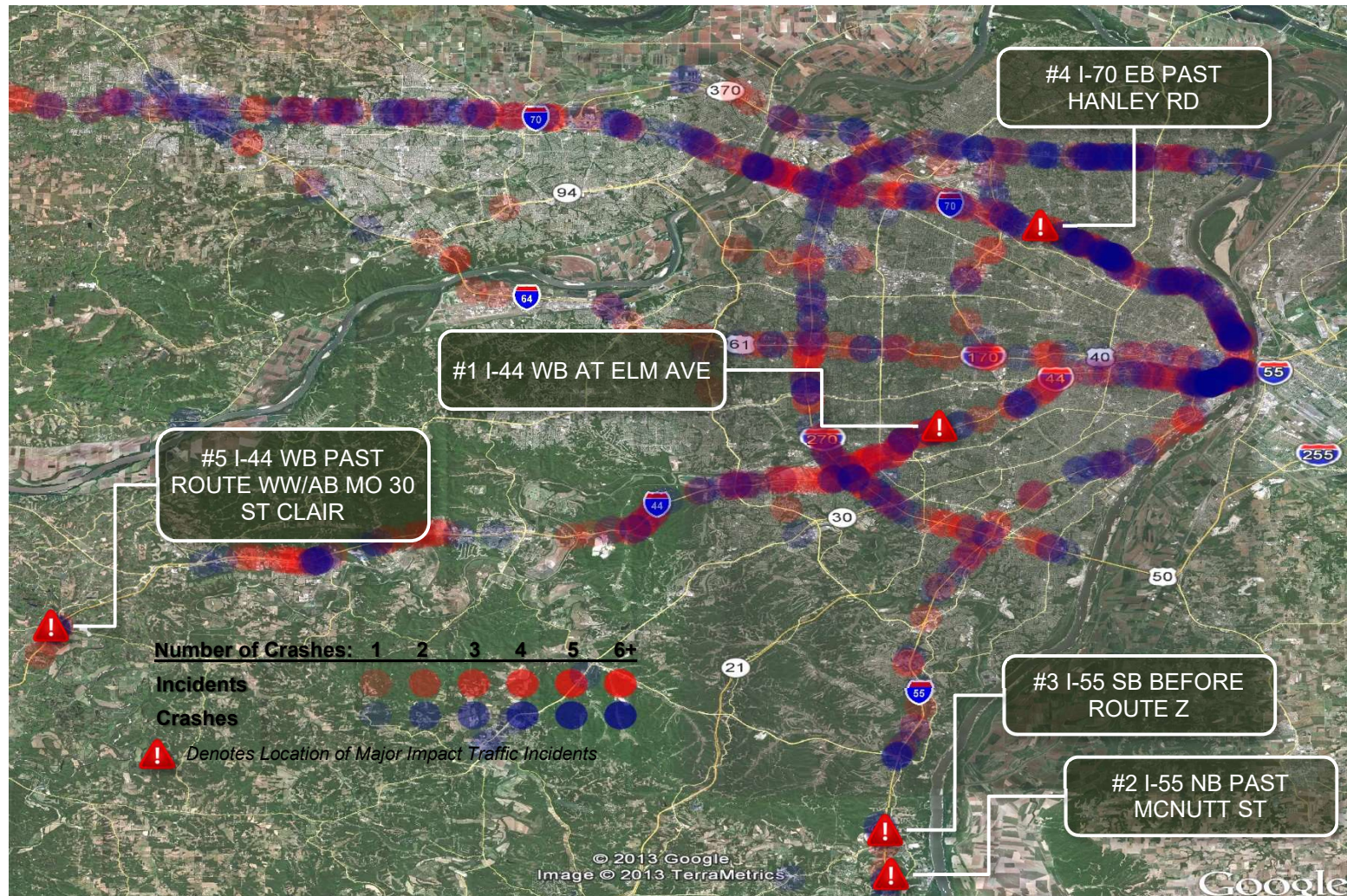


Top 15 Incidents September/October/November 2021

#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
1	9/25/2021 10:08	Saturday	I-70 EB	AT MO 370	Incident involving pothole repair and extended duration due to ER availability	11:01
2	9/3/2021 1:42	Friday	W 30 MO	W GRAND BLVD	Signal Repair	9:42
3	9/10/2021 15:16	Friday	I-55 NB	ON RAMP FROM US 67 NB	Single vehicle incident involving overturned tractor trailer carrying hazardous material and spilling onto the ground	9:32
4	10/19/2021 15:31	Tuesday	I-70 EB	TO US 61 NB	Single vehicle incident involving overturned tractor trailer and extended duration due to heavy tow	9:12
5	10/5/2021 8:03	Tuesday	I-270 NB	AT I-55	Multiple vehicle incident involving injuries and extended duration due to complicated load transfer	6:53
6	11/21/2021 3:23	Sunday	I-64 WB	AT MC CAUSLAND AVE	Multiple vehicle incident involving an injury and vehicle fire	6:50
7	11/15/2021 23:07	Monday	N HALLS FERRY RD CST	LUCAS & HUNT RD CST	Single vehicle incident involving an injury, downed power lines, and extended duration due to Ameren repair	6:19
8	10/13/2021 10:02	Wednesday	ROUTE 367 NB	BEFORE US 67	Single vehicle incident involving fire and extended duration due to accident investigation	6:15
9	10/22/2021 3:30	Friday	I-70 WB	PAST BRYAN RD	Multiple vehicle incident involving a fatality and extended duration due to investigation	5:53
10	10/13/2021 6:23	Wednesday	I-64 WB	AT MC KNIGHT RD	Single vehicle incident involving tractor trailer out of fuel and extended duration due to tow	5:42
11	9/24/2021 16:29	Friday	I-55 SB	PAST REAVIS BARRACKS RD	Single vehicle incident involving tractor trailer that had spilled it's load and extended duration due to clean up	5:23
12	11/29/2021 22:13	Monday	I-44 WB	BEFORE MO 141	Multiple vehicle incident involving injuries, a fatality, and extended duration due to police investigation	5:23
13	10/22/2021 3:54	Friday	I-70 WB	ON RAMP FROM BRYAN RD	Incident related to previous entry and involving extended duration due to accident reconstruction	4:59
14	10/27/2021 15:15	Wednesday	I-70 EB	PAST HANLEY RD	Single vehicle incident involving commercial refuse truck dumping load onto roadway and requiring extended duration to clean up	4:53
15	10/6/2021 4:55	Wednesday	I-64 WB	TO LINDBERGH BLVD	Single vehicle incident related to previous incident	4:41



September/October/November 2021 Incidents with Mobility Impact Map





INCIDENT MANAGEMENT


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Major Impact Traffic Incidents and Mitigation

09/20/2021 (Monday)

- **Time:** 06:39 AM – 10:35 AM
- **Location:** Webster Groves (St. Louis County)–Westbound I-44 at mm 281(at Elm Ave.)
- **Event Type:** One Vehicle Accident
- **Estimated Initial Impact:** Rush Hour: 2 of 5 travel lanes affected equals (=) 40%
- **Incident Details:** The TMC operators received a call from East Central Dispatch regarding a single motorcycle accident where the rider was in traumatic arrest on the Exit Ramp to Elm Ave from WB I-44
- **Action Taken:** The TMC Operators viewed the incident on CCTV to confirm location. Webster Groves PD, Fire, and EMS were already on scene performing life saving procedures. PD had Lane 4 at Elm Ave. as well as the exit ramp to Elm Ave. closed at this time. TMC Operators entered the event into ATMS and dispatched MoDOT ER to the scene to assist with traffic control. The TMC messaged for the event and entered the incident into TMS to notify the public of the closure. The MoDOT Incident Management Coordinator, Motor Carriers, EOC, and Communication Staff were all notified. An incident alert, update and cleared email were sent to notify management of the incident. Lane 4 and the exit ramp remained closed the entire time for crash investigation and removal of the deceased. There was no queue.
- **Event Duration:** 3 hours 55 minutes


	Westbound I-44 at MM 281	Left Shoulder	Lane 1	Lane 2	Lane 3	Lane 4	Right Exit Lane	Right Shoulder
Closed Hours/Minutes		0:00	0:00	0:00	0:00	3:52	3:55	3:55





09/29/2021 (Wednesday)

- **Time:** 06:25 AM– 09:48 AM
- **Location:** Jefferson County– Northbound I-55 past McNutt St./MM 178.8
- **Event Type:** 1 Vehicle Accident involving a tractor trailer
- **Estimated Initial Impact:** Rush Hour: 2 of 2 lanes affected equals (=) 100%
- **Incident Details:** TMC operators overheard radio traffic regarding a 2-vehicle accident. Upon checking cameras, they viewed one tractor trailer in lane 1 and another tractor trailer on the right shoulder. Upon further investigation, the tractor trailer in lane 1 appeared to have lost several sheets of plywood that was on the flatbed. The second tractor trailer was not involved and drove away.
- **Action Taken:** The TMC confirmed the incident via CCTV. TMC operators entered the event into ATMS, messaged for the event and dispatched ER to respond to the incident. Due to the event being a full closure, CBB was notified to adjust traffic signals in the area. An incident alert, updates, and cleared pages were sent to alert management of the event. Missouri State Highway Patrol, the Festus Fire Department, and Joachim-Plattin Ambulance responded. The Herculaneum Police arrived shortly after. Police diverted traffic to McNutt St. and blocked access to NB I-55 from McNutt St. Tow arrived on scene and began to clear the plywood from the lane with assistance from a bobcat they had brought in. Once the bobcat removed plywood from lane 2, police re-opened the lane. Several flatbed trucks were brought in to remove the plywood. Once all plywood was removed and tow removing the tractor trailer, all lanes were opened. The Queue was measured at approximately 4 miles at its peak. Event duration was due to plywood clean up.
- **Event Duration:** 3 hours and 23 minutes.

	Northbound I-55 Past McNutt St./MM 178.8	LS	Lane 1	Lane 2	RS
		Closed Hours/Minutes	3:23	3:23	1:17








INCIDENT MANAGEMENT

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10/22/2021 (Friday) ****Fatality****

- **Time:** 7:51 PM – 11:51 PM
- **Location:** Jefferson County– Southbound I-55 before Rt. Z (MM 181)
- **Event Type:** 3 Vehicle Accident w/Fatality
- **Estimated Initial Impact:** Non-Rush Hour: 3 of 3 lanes affected equals (=) 100%
- **Incident Details:** TMC operators overheard radio traffic regarding a vehicle accident involving a motorcycle. Upon checking cameras, they viewed several emergency vehicles headed to the scene. Dunklin Fire Department, Joachim Plattin EMS, and several police agencies located the incident and blocked the 2 right lanes. The motorcyclist was quickly determined to be deceased and all lanes of southbound I-55 before Rt. Z were closed at that time for investigations to begin.
- **Action Taken:** The TMC confirmed the incident via CCTV. TMC operators entered the event into ATMS and TMS, messaged for the event, and advised MoDot Emergency Response (ER) and the ER Person in Contact to respond. Pevely Police, Missouri State Highway Patrol, Dunklin Fire Department, and Joachim-Plattin EMS responded. ER and PD closed the interstate at Rt. M and diverted traffic to US 61/67 and Metropolitan Blvd (Outer Road 55). An I-55 incident page was generated for supervision to monitor, COIncident was also included in the page for EOC notification. Community Relations and the incident management coordinator were also notified. The Queue was measured at approximately 3.8 miles at the diversion point. Event duration due to police investigation.
- **Event Duration:** Event: 3 hours 56 Minutes, Traffic Normal: 4 hours and 0 minutes.

	Southbound I-55 before Rt Z (MM 181)	LS	Lane 1	Lane 2	Lane 3	RS
		Closed Hours/Minutes	3:51	3:51	3:56	3:53



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10/27/2021 (Wednesday)

- **Time:** 3:15 PM – 8:08 PM
- **Location:** St. Louis County – Eastbound I-70 Past North Hanley Rd./MM 240.4
- **Event Type:** Commercial Vehicle Fire
- **Estimated Initial Impact:** Rush Hour: 3 Right Lanes Closed (3 of 4 = 75%)
- **Incident Details:** TMC Operators overhead radio traffic stating a vehicle fire at the above location. TMC Operators located the incident on CCTV and quickly determined that a garbage truck was on fire. The Berkeley Fire Department and Normandy Police responded to the incident and realized it was a commercial vehicle fire and several local fire departments were dispatched to assist. TMC operators entered the incident into ATMS and TMS, messaged for the event, and dispatched MoDOT Emergency Response (ER) to the location. All emergency responders closed the 3 right lanes of traffic. FD put out the fire on the cab and instructed the garbage truck driver to dump the garbage onto the highway. A clean up crew was notified to respond by PD. Clean up was performed by a clean up company utilizing a front loader and two large dumpsters.
- **Action Taken:** The TMC operators monitored the event via CCTV. The TMC also activated appropriate DMS and dispatched ER to assist with traffic control. Incident pages were sent to appropriate email groups. Traffic was still able to get through in lane 1. Event duration was due to cleaning up the garbage and applying oil dry to the road. The Queue peaked at 2.4 Hours and dissipated as Lane 2 was opened.
- **Event Duration:** 04 hours and 53 minutes.


	Eastbound I-70 Past North Hanley Rd/MM 240.4	Lane 1	Lane 2	Lane 3	Lane 4	RS
Closed Hours/Minutes		0	1:23	4:53	4:53	4:53





10/28/2021 (Thursday)

- **Time:** 10:46 AM – 13:59 PM
- **Location:** Franklin Co – Westbound I-44 at MM 237.5
- **Event Type:** Crash involving overturned vehicle.
- **Estimated Initial Impact:** Non-Rush Hour: 2 of 2 lanes affected equals (=) 100%
- **Incident Details:** Two vehicle crash involving an overturned St. Clair Ambulance with two injuries reported from that vehicle.
- **Action Taken:** The TMC was notified of the incident via Franklin Co Dispatch. TMC operators then entered the event into ATMS, activated appropriate DMS and dispatched two ER operators to assist with traffic control. Notifications were made to MoDOT CO EOC, Motor Carriers and Community Relations. A traffic diversion was set up Exit 239 / RT 30, where traffic used 44 NOR to get around the scene. MoDOT St Clair Maintenance was also dispatched to close the entrance ramp from RT 30 to I-44 WB. No signal present at detour point, but a CBB traffic engineer was notified and adjusted the signals at Exit 240 / RT 47 to assist traffic there. The right shoulder was opened at 12:29 to relieve the queue immediately behind the incident. There was an approximate 6-mile queue to the detour. Event duration due to nature of the incident and cleanup.
- **Event Duration:** 03 hours and 13 minutes.

	Westbound I-44 At MM 237.5	Lane 1	Lane 2	RS
		3:13	3:13	3:13





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#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
1	9/3/2021 1:42	Friday	W 30 MO	W GRAND BLVD	Signal Repair	9:42
2	9/3/2021 17:36	Friday	I-170 SB	AT NATURAL BRIDGE RD	Incident involving fatality due to shooting	3:24
3	9/4/2021 3:39	Saturday	I-70 WB	AT MADISON	Single vehicle Incident involving abandoned tractor trailer	2:19
4	9/4/2021 4:30	Saturday	I-170 NB	BEFORE I-270	Single vehicle incident accident involving fatality and state damage	2:33
5	9/4/2021 4:32	Saturday	I-170 SB	PAST I-270	Single vehicle incident accident involving fatality and state damage related to previous incident	2:04
6	9/6/2021 16:02	Monday	I-44 EB	PAST US 50	Single vehicle involving jack knifed tractor trailer involving fuel spilled and state damage	3:40
7	9/8/2021 3:43	Wednesday	I-270 SB	TO I-55 SB	Incident involving vehicles going through traffic control for next incident	4:24
8	9/8/2021 3:45	Wednesday	I-55 SB	PAST I-255	Multiple vehicle incident involving shooting fatality	4:35
9	9/8/2021 3:57	Wednesday	I-55 SB	ON RAMP FROM LINDBERGH BLVD	Incident involving investigation of previous incident	4:07
10	9/8/2021 4:43	Wednesday	I-255 WB	TO I-55 SB	Incident involving investigation of previous incident	3:39
11	9/8/2021 8:58	Wednesday	I-70 WB	AT MID RIVERS MALL DR	Multiple vehicle incident involving struck motorcycle, fatality, and vehicle leaving the scene of the accident	3:14
12	9/8/2021 12:20	Wednesday	I-70 WB	PAST MO 141	Incident involving police escort detail	2:34
13	9/10/2021 15:16	Friday	I-55 NB	ON RAMP FROM US 67 NB	Single vehicle incident involving overturned tractor trailer carrying hazardous material and spilling onto the ground	9:32
14	9/11/2021 13:17	Saturday	US 67 NB	AT OLD HALLS FERRY RD	Multiple vehicle incident involving a fatality	3:49
15	9/11/2021 13:18	Saturday	US 67 SB	AT OLD HALLS FERRY RD	Incident related to previous event require investigation	3:52



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16	9/13/2021 12:58	Monday	S 47 MO	STEUTERMANN RD CST	Multiple vehicle incident involving a fatality	2:10
17	9/14/2021 8:54	Tuesday	I-270 NB	BEFORE I-44	Multiple vehicle incident involving a fatality due to a box truck striking the back of a tractor trailer	3:29
18	9/14/2021 11:42	Tuesday	I-44 WB	PAST VANDEVENTER AVE	Single vehicle incident involving a tractor trailer with load that had shifted	2:16
19	9/14/2021 14:57	Tuesday	I-70 EB EXPRESS LANES	AT CARRIE AVE	Multiple vehicle incident involving injuries	2:07
20	9/14/2021 21:20	Tuesday	I-70 EB	PAST CAVE SPRINGS/ TRUMAN RD	Single vehicle incident involving delayed tow	2:44
21	9/15/2021 8:27	Wednesday	I-44 EB	BEFORE SIX FLAGS RD	Single vehicle incident involving driver of motor home with active warrants	3:17
22	9/15/2021 15:32	Wednesday	I-270 EB	BEFORE MO 367	Multiple vehicle incident involving tractor trailer and extended duration due to waiting for heavy tow	2:02
23	9/16/2021 0:37	Thursday	I-44 WB	BEFORE I-55	Single vehicle incident involving ER pulling vehicle out of the lane to a safer location	2:26
24	9/16/2021 6:56	Thursday	US 61 SB	AT RT P	Single vehicle incident involving rollover with ejection	2:36
25	9/17/2021 18:32	Friday	I-270 NB	PAST GRAVOIS RD	Multiple vehicle incident involving impaired driver	3:26
26	9/20/2021 6:40	Monday	I-44 WB	AT ELM AVE	Single vehicle incident involving fatality	3:56
27	9/20/2021 16:22	Monday	I-55 SB	BEFORE BAYLESS AVE	Single vehicle incident involving state damage	2:12



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28	9/21/2021 0:54	Tuesday	I-44 EB	PAST PACIFIC	Single vehicle incident involving a tractor trailer extended duration due to tow	2:04
29	9/21/2021 7:33	Tuesday	W PAGE AVE CST	Ball Dr	Single vehicle incident involving a tractor trailer striking a traffic signal	3:26
30	9/22/2021 6:12	Wednesday	I-170 SB	AT DELMAR BLVD	Single vehicle incident involving injuries	2:04
31	9/23/2021 10:24	Thursday	I-70 EB	BEFORE ADELAIDE AVE	Multiple vehicle incident involving oversized load that had shifted	2:17
32	9/23/2021 16:47	Thursday	W N RT	LAKE ST LOUIS BLVD CST	Incident involving cleanup of dirt in travel lane	2:15
33	9/24/2021 10:50	Friday	I-270 NB	BEFORE I-64	Multiple vehicle incident involving overturned dump truck and clean up of spilled gravel	2:21
34	9/24/2021 11:14	Friday	MO 141 SB	PAST LAMBERT DRURY DR	Incident involving broken drainage grate and extended duration due to grate repair	2:16
35	9/24/2021 13:05	Friday	ROUTE 367 SB	PAST DUNN RD	Multiple vehicle incident involving extended duration due to waiting on tow	2:20
36	9/24/2021 16:29	Friday	I-55 SB	PAST REAVIS BARRACKS RD	Single vehicle incident involving tractor trailer that had spilled its load and extended duration due to clean up	5:23
37	9/25/2021 10:08	Saturday	I-70 EB	AT MO 370	Incident involving pothole repair and extended duration due to ER availability	11:01
38	9/26/2021 0:58	Sunday	E MCKINLEY BRG CST	SALISBURY ST CST	Multiple vehicle incident involving a fatality	2:32
39	9/27/2021 9:35	Monday	I-70 WB	AT LAMBERT ST LOUIS AIRPORT	Single vehicle incident involving vehicle striking a wall	2:10
40	9/27/2021 15:44	Monday	US 67 SB	BEFORE LINDBERGH BLVD	Incident involving cleanup of gravel debris	3:02



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41	9/28/2021 22:31	Tuesday	US 67 SB	AT MISSISSIPPI RIVER	Single vehicle incident involving fatality and state damage	3:54
42	9/29/2021 6:25	Wednesday	I-55 NB	PAST MCNUIT ST	Single vehicle incident involving tractor trailer spilling load of lumber	3:23
43	10/2/2021 3:57	Saturday	I-55 SB	AT LOUGHBOROUGH	Single vehicle incident involving extended duration due to police remaining on scene	2:28
44	10/2/2021 13:04	Saturday	I-70 EB	AT JENNINGS STA RD	Multiple vehicle incident involving six vehicles and extended duration due to tow service	2:27
45	10/3/2021 17:56	Sunday	I-55 NB	TO LOUGHBOROUGH	Single vehicle incident involving a fatality, state damage and extended duration due to police investigation	3:29
46	10/5/2021 8:03	Tuesday	I-270 NB	AT I-55	Multiple vehicle incident involving injuries and extended duration due to complicated load transfer	6:53
47	10/6/2021 4:52	Wednesday	I-64 WB	AT LINDBERGH BLVD	Single vehicle incident involving tractor trailer striking attenuator and extended duration due to heavy tow	4:39
48	10/6/2021 4:55	Wednesday	I-64 WB	TO LINDBERGH BLVD	Single vehicle incident related to previous incident	4:41
49	10/6/2021 6:12	Wednesday	I-64 WB	PAST CLAYTON RD	Single vehicle incident related to previous incident	3:34
50	10/6/2021 17:08	Wednesday	I-170 NB	BEFORE I-270	Multiple vehicle incident involving injuries and state damage	2:18
51	10/8/2021 20:43	Friday	I-270 EB	PAST LINDBERGH BLVD	Single vehicle incident involving the load on a truck with a goose trailer shifting	2:29
52	10/9/2021 1:04	Saturday	MO 79 SB	AT I-70	Multiple vehicle incident involving a fatality and extended duration due to investigation	3:11
53	10/9/2021 1:09	Saturday	MO 79 NB	AT I-70	Incident related to previous event require investigation	3:03
54	10/9/2021 1:50	Saturday	I-70 EB	ON RAMP FROM MO 79	Incident related to previous event require investigation	2:03



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55	10/9/2021 1:52	Saturday	I-70 EB	TO MO 79	Incident related to previous event require investigation	2:18
56	10/9/2021 19:45	Saturday	I-64 WB	PAST 14TH ST	Single vehicle incident involving party bus without electricity	3:26
57	10/13/2021 6:23	Wednesday	I-64 WB	AT MC KNIGHT RD	Single vehicle incident involving tractor trailer out of fuel and extended duration due to tow	5:42
58	10/13/2021 10:02	Wednesday	ROUTE 367 NB	BEFORE US 67	Single vehicle incident involving fire and extended duration due to accident investigation	6:15
59	10/13/2021 10:02	Wednesday	ROUTE 367 SB	PAST US 67	Incident related to previous event requiring helicopter air lift	3:07
60	10/15/2021 3:50	Friday	I-44 WB	PAST ANTIRE RD	Multiple vehicle incident involving tractor trailer splitting in two and state damage	3:02
61	10/15/2021 9:39	Friday	I-270 EB	PAST LINDBERGH BLVD	Incident involving hole in the bridge deck and pavement buckling	2:21
62	10/16/2021 0:16	Saturday	I-70 WB	TO 9TH ST	Single vehicle incident involving Multiple injuries and knocked down light causing wires on the roadway	4:36
63	10/16/2021 20:34	Saturday	US 67 SB	AT MUELLER RD	Single vehicle incident involving struck pedestrian and fatality	3:57
64	10/16/2021 20:50	Saturday	US 67 NB	PAST FLORI DR	Incident related to previous entry and involving extended duration due to accident reconstruction	3:41
65	10/19/2021 15:31	Tuesday	I-70 EB	TO US 61 NB	Single vehicle incident involving overturned tractor trailer and extended duration due to heavy tow	9:12
66	10/22/2021 3:30	Friday	I-70 WB	PAST BRYAN RD	Multiple vehicle incident involving a fatality and extended duration due to investigation	5:53



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67	10/22/2021 3:54	Friday	I-70 WB	ON RAMP FROM BRYAN RD	Incident related to previous entry and involving extended duration due to accident reconstruction	4:59
68	10/22/2021 9:19	Friday	I-70 WB	PAST TR HUGHES BLVD	Multiple vehicle incident involving tractor trailer spilling its load and requiring extended duration due to clean up	2:29
69	10/22/2021 19:52	Friday	I-55 SB	BEFORE ROUTE Z	Multiple vehicle incident involving a fatality, tractor trailer, ejected passenger, and extended duration due to accident reconstruction	4:00
70	10/22/2021 20:29	Friday	I-55 SB	ON RAMP FROM ROUTE M	Incident related to previous entry	2:56
71	10/24/2021 1:03	Sunday	I-70 EB	BEFORE NATURAL BRIDGE	Single vehicle incident involving state damage	2:03
72	10/26/2021 10:01	Tuesday	I-44 WB	ON RAMP FROM I-64 WB	Multiple vehicle incident involving tractor trailer splitting in half and spilled fuel	3:53
73	10/26/2021 21:09	Tuesday	I-70 WB	PAST LUCAS & HUNT RD	Multiple vehicle incident involving injuries and extended duration due to tow	2:20
74	10/27/2021 15:15	Wednesday	I-70 EB	PAST HANLEY RD	Single vehicle incident involving commercial refuse truck dumping load onto roadway and requiring extended duration to clean up	4:53
75	10/28/2021 10:47	Thursday	I-44 WB	PAST ROUTE WW/AB MO 30 ST CLAIR	Multiple vehicle incident involving roll over vehicle, Multiple injuries, state damage and extended duration due to tows and emergency vehicles	3:13
76	10/28/2021 18:21	Thursday	I-44 EB	PAST MO 47	Single vehicle incident involving jack knifed tractor trailer and extended duration due to tow	4:03
77	10/28/2021 22:09	Thursday	I-44 WB	BEFORE ROUTE JJ/W	Single vehicle incident involving an injury	2:33
78	10/28/2021 23:56	Thursday	I-70 EB	PAST GOODFELLOW	Multiple vehicle incident involving struck fire truck and extended duration due to police investigation	3:43



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79	10/29/2021 19:32	Friday	I-170 NB	BEFORE ST CHARLES ROCK RD	Single vehicle incident involving state damage and extended duration due to accident reconstruction	3:39
80	10/29/2021 19:35	Friday	I-170 NB	BEFORE MO 180/ST CHARLES ROCK RD	Multiple vehicle incident involving struck police officer and extended duration to accident reconstruction	3:34
81	10/29/2021 19:41	Friday	I-170 SB	BEFORE MO 180/ST CHARLES ROCK RD	Incident involving investigation of previous incident	3:24
82	11/2/2021 15:28	Tuesday	I-270 NB	PAST I-64	Single vehicle incident involving dump truck sliding off roadway and extended duration due to tow	2:11
83	11/6/2021 21:26	Saturday	I-55 NB	TO BUTLER HILL RD	Single vehicle incident involving an injury, shooting, and extended duration due to police investigation	2:16
84	11/7/2021 14:22	Sunday	I-270 SB	PAST I-44	Single vehicle incident involving a fatality, Multiple injuries, and extended duration due to accident reconstruction	3:31
85	11/8/2021 16:53	Monday	I-70 EB	ON RAMP FROM LUCAS & HUNT RD	Multiple vehicle incident involving tractor trailer and extended duration due to waiting for heavy tow	2:16
86	11/9/2021 1:15	Tuesday	I-44 EB	BEFORE ANTIRE RD	Single vehicle incident involving tractor trailer on fire and extended duration due to police investigation	2:33
87	11/10/2021 7:08	Wednesday	US 67 SB	PAST ROUTE JJ	Multiple vehicle incident involving a fatality and extended duration due to investigation	3:02
88	11/11/2021 7:43	Thursday	E 180 MO	I-70 EB IS	Single vehicle incident involving U Haul carrying a small house that had been dropped and extended duration due to heavy tow	2:06
89	11/11/2021 20:34	Thursday	I-55 SB	AT WEBER RD	Multiple vehicle incident involving state damage	2:37



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90	11/15/2021 23:07	Monday	N HALLS FERRY RD	LUCAS & HUNT RD CST	Single vehicle incident involving an injury, downed power lines, and extended duration due to Ameren repair	6:19
91	11/16/2021 3:35	Tuesday	I-70 WB	TO I-170 NB	Multiple vehicle incident involving state damage	2:08
92	11/17/2021 14:26	Wednesday	I-44 WB	PAST BUS 44 PACIFIC	Single vehicle incident involving extended duration due to spill clean up	3:54
93	11/21/2021 3:23	Sunday	I-64 WB	AT MC CAUSLAND AVE	Multiple vehicle incident involving an injury and vehicle fire	6:50
94	11/21/2021 14:16	Sunday	I-44 EB	PAST BIG BEND BLVD	Multiple vehicle incident involving struck office	2:01
95	11/23/2021 18:27	Tuesday	I-70 EB	PAST LUCAS & HUNT RD	Multiple vehicle incident involving extended duration due to delayed field sobriety test	2:16
96	11/24/2021 8:49	Wednesday	US 67 SB	PAST BUTLER HILL RD	Incident involving funeral detail	3:13
97	11/24/2021 8:58	Wednesday	US 67 SB	PAST BUTLER HILL RD	Incident involving funeral detail	3:03
98	11/24/2021 8:59	Wednesday	US 67 SB	PAST BAUMGARTNER RD	Incident involving funeral detail	3:02
99	11/24/2021 9:01	Wednesday	I-55 NB	AT MERAMEC BOTTOM RD	Incident involving funeral detail	2:58
100	11/24/2021 9:02	Wednesday	I-55 NB	TO BUTLER HILL RD	Incident involving funeral detail	2:58
101	11/25/2021 2:36	Thursday	I-255 EB	AT TELEGRAPH RD	Single vehicle incident involving tractor trailer and extended duration due to heavy tow	2:19
102	11/25/2021 2:43	Thursday	I-44 WB	PAST ANTIRE RD	Single vehicle incident involving jack knifed tractor trailer and extended duration due to tow	3:43
103	11/26/2021 3:56	Friday	I-44 WB	AT US 50 WEST/UNION JEFFERSON CITY	Single vehicle incident involving overturned tractor trailer and extended duration due to heavy tow	2:37
104	11/28/2021 18:17	Sunday	I-270 EB	PAST ELIZABETH AVE	Multiple vehicle incident involving fatalities and extended duration due to accident reconstruction	3:00



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105	11/28/2021 18:32	Sunday	E PERSHALL RD CST	Past Elizabeth	Incident related to previous entry and involving extended duration due to accident reconstruction	4:17
106	11/29/2021 22:13	Monday	I-44 WB	BEFORE MO 141	Multiple vehicle incident involving injuries, a fatality, and extended duration due to police investigation	5:23